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EFFLUENT MONITORING REGULATION - METAL CASTING SECTOR

ONTARIO REGULATION 648/89 as amended by ONTARIO REGULATION 232/90

MISA
Municipal/Industrial Strategy for Abatement

MAY 1990

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REGULATION MADE UNDER
ENVIRONMENTAL PROTECTION ACT

EFFLUENT MONITORING - METAL CASTING SECTOR

Definitions

1.-(1) In this Regulation,

"characterization" in relation to a plant, means the analysis of a sample to identify and quantify all of the parameters specified in the characterization parameters schedule for that plant, except those in analytical test group 24;

"combined effluent" means effluent resulting from the intentional combination of process effluent with cooling water or storm water;

"cooling water " means water and associated material that is used in an industrial process for the purpose of removing heat, that is not intended to come into contact with process materials, and that is discharged directly to a surface watercourse;

"cooling water effluent stream" means cooling water that flows through an open or closed channel;

"cooling water sampling point" means a location in a cooling water effluent stream situated before the place of discharge to a surface watercourse;

"General Effluent Monitoring Regulation" means Ontario Regulation 695/88;

"grab sample" means a volume of effluent of at least 100 millilitres that is collected over a period not exceeding fifteen minutes and immediately transferred to the appropriate laboratory sample container as set out in Column 2 of Schedule 2 to the General Effluent Monitoring Regulation and in Column 2 of Schedule CC to this Regulation;

"process change" means a change in equipment, production process, raw materials or treatment process;

"quarterly" means once in each three month period beginning on the first day of January, April, July and October;

"semi-annually" means once in each six month period beginning on the first day of January and July;

(2) The definitions in section 1 of the General Effluent Monitoring Regulation that are not redefined in this Regulation apply to this Regulation.

(3) Where a term is defined in this Regulation and in the General Effluent Monitoring Regulation, the definition in this Regulation applies to the General Effluent Monitoring Regulation insofar as that Regulation governs direct dischargers to which this Regulation applies.

Purpose

2. The purpose of this Regulation is to establish a data base on effluent quality in the metal casting sector that, along with other pertinent information, will be used in the development of effluent limits for the metal casting sector.

Application

3.-(1) This Regulation applies only with respect to the plants listed in subsection (2) and only with respect to the effluent streams named in the site-specific monitoring schedules for those plants.

(2) The characterization parameters schedule and the site-specific monitoring schedule for each plant are as follows:

Item	Plant	Location	Owner as of the 27th of September, 1989	Characterization Parameters Schedule	Storm Event Reporting Required	Site-Specific Monitorin Schedule
1	Etobicoke Casting Division	Etobicoke	Acustar Canada Inc.	None	No	A
2	Bowmanville Foundry	Bowmanville	The Bowmanville Foundry Company, Limited	None	No	B
3	Canada Alloy Castings	Kitchener	Canada Alloy Castings, Ltd.	None	No	C
4	Canada Pipe	Hamilton	Canada Pipe Company Ltd.	BB	Yes	D
5	Crowe Foundry	Cambridge	Crowe Foundry Limited	BB	Yes	E
6	Fahramet	Orillia	Indusmin, Division of Falconbridge Limited	BB	Yes	F
7	Ford Motors	Windsor	Ford Motor Company of Canada, Limited	AA	Yes	G
8	Franklin Electric	Strathroy	Franklin Electric of Canada, Limited	BB	Yes	H
9	General Motors	St.Catharines	General Motors of Canada Limited	AA	Yes	I
10	Haley Industries	Haley Station	Haley Industries Limited	AA	Yes	J
11	Magalloy	Stratford	Magalloy Limited	None	No	K
12	Richmond Die Casting	Cornwall	Richmond Die Casting Ltd.	None	No	L
13	Western Foundry	Wingham	Western Foundry Company Limited	None	No	M

(3) This Regulation is a Sectoral Effluent Monitoring Regulation within the meaning of the General Effluent Monitoring Regulation.

(4) Each direct discharger shall carry out the monitoring obligations, including the sampling, analysis, toxicity testing, flow measurement, recording and reporting obligations of this Regulation, in accordance with the General Effluent Monitoring Regulation and in accordance with the sampling principles specified in Schedule CC to this Regulation and the analytical principles specified in Schedule DD to this Regulation.

(5) Each direct discharger shall carry out the monitoring obligations of this Regulation using the analytical method detection limits specified in column 6 of Schedule 3 to the General Effluent Monitoring Regulation and in Schedule DD to this Regulation.

(6) Each direct discharger shall carry out the sampling and analytical obligations in relation to biphenyl and diphenyl ether in accordance with Notes 3 and 4 to the Characterization Parameters Schedule for that discharger's plant.

(7) In addition to complying with subsection 3(19) of the General Effluent Monitoring Regulation, every direct discharger shall use only sampling equipment for the collection of samples, the wettable surfaces of which are made of,

(a) fluorocarbon resins, glass or stainless steel for samples that are to be analyzed for parameters in analytical test group 26 as set out in Schedule AA; and

(b) fluorocarbon resins, glass, stainless steel, high or low density polyethylene, polyethylene terephthalate, polystyrene or polypropylene for samples that are to be analyzed for parameters in analytical test groups MC1 and MC2 as set out in Schedule AA.

(8) Despite subsection (7), a direct discharger may use sampling devices that contain a short section of surgical grade silicone rubber tubing or other tubing approved by the Director if such tubing cannot be replaced by a material mentioned in subsection (7) without impairing the operation of the device.

(9) For the purposes of subsections 3(22), (25a) and (26) of the General Effluent Monitoring Regulation,

(a) a sample collected for analysis for parameters in more than one analytical test group as set out in the Schedules referred to in subsection (2) is deemed to be a sample collected for analysis for parameters in more than one analytical test group in Schedule 1 to the General Effluent Monitoring Regulation; and

(b) a laboratory sample container specified in Column 2 of Schedule CC to this Regulation is deemed to be a laboratory sample container specified in Column 2 of Schedule 2 to the General Effluent Monitoring Regulation.

(10) Instead of the minimum sample volumes specified in Column 5 of Schedule CC, a direct discharger may, in relation to a sample to be analyzed, submit to the laboratory performing the analysis the minimum sample volume required by the laboratory to meet the analytical method detection limits set out in Column 6 of Schedule DD.

(11) An obligation on a direct discharger to do a thing under this Regulation is discharged if another person has done it on the direct discharger's behalf.

(12) Each direct discharger shall collect each sample required to be collected from a process or combined effluent sampling point as a composite sample throughout an operating day in accordance with subsection 3(4) of the General Effluent Monitoring Regulation.

(13) For the purposes of this Regulation, a reference in the General Effluent Monitoring Regulation to a once-through cooling water effluent stream is deemed to be a reference to a cooling water effluent stream and a reference to a once-through cooling water sampling point is deemed to be a reference to a cooling water sampling point.

(14) Subsection 3(29) of the General Effluent Monitoring Regulation does not apply in relation to plants in respect of which the Table in subsection (2) indicates that storm event reporting is not required.

Sampling Points

4.-(1) Each direct discharger shall, by the 8th day of January, 1990, establish a sampling point on each effluent stream named in the site-specific monitoring schedule for that discharger's plant, as follows :

1. A combined effluent sampling point on each combined effluent stream.

2. A cooling water sampling point on each cooling water effluent stream.

3. A process effluent sampling point on each process effluent stream.

4. A storm water sampling point on each storm water effluent stream.

(2) Each direct discharger shall use the sampling points established under subsection (1) for all sampling required by this Regulation, except that a direct discharger may use alternate sampling points where that is acceptable to the Director.

(3) Except as otherwise specifically provided, sets of samples required to be collected under this Regulation need not be collected on the same day.

Characterization and Open Characterization

5.-(1) Each direct discharger shall collect a set of samples from the sampling point on each process effluent and combined effluent stream indicated as requiring characterization sampling in the site-specific monitoring schedule for that discharger's plant, at the characterization sampling frequencies and minimum intervals specified for that stream in that schedule, and shall perform a characterization and an open characterization on each such set.

(2) Each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsection (3) from the sampling point on each process effluent and combined effluent stream indicated as requiring analytical test group 24 sampling in the site-specific monitoring schedule for that discharger's plant, at the frequencies and minimum intervals for analytical test group 24 sampling specified for that stream in that schedule.

(3) Each direct discharger shall analyze each set of samples collected under subsection (2) for the parameters in analytical test group 24, as indicated in the characterization parameters schedule for that discharger's plant.

(4) Each direct discharger shall collect a set of samples

from the sampling point on each cooling water effluent stream indicated as requiring characterization sampling in the site-specific monitoring schedule for that discharger's plant, at the characterization sampling frequencies and minimum intervals specified for that stream in that schedule, and shall perform a characterization on each such set.

(5) Each direct discharger shall collect a set of samples from the sampling point on each process effluent and combined effluent stream of that discharger that may have been adversely affected by any process change, within thirty days after each such change, and shall perform a characterization and open characterization on each such set.

(6) For the purposes of subsection 4(3) of the General Effluent Monitoring Regulation, samples collected under this section are collected for characterization.

(7) Each set of samples collected under this section shall be collected on an operating day.

Daily Monitoring

6.-(1) During each operating day, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsection (2) from each sampling point of that discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the column marked "D", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(3) Subsection (1) does not apply in respect of any day on which a sufficient volume of sample cannot be collected because of the collection of inspection samples.

Thrice-Weekly Monitoring

7.-(1) On three operating days in each week, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsection (2) from each sampling point of that discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the column marked "TW", for the stream from which the set was

collected, of the site-specific monitoring schedule for that discharger's plant.

Weekly Monitoring

8.-(1) On one operating day in each week, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsection (2) from each sampling point of that discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the column marked "W", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(3) Each set of samples collected under subsection (1) shall be collected on one of the days on which a sample is collected under subsection 7(1) from the same sampling point, if a sample is collected from that sampling point under subsection 7(1) in the week.

(4) For the purposes of subsection (1), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (1) shall be collected no sooner than two days after the previous sampling under subsection (1) from that sampling point.

Monthly Monitoring - Process Effluent and Combined Effluent

9.-(1) On one operating day in each month, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsection (2) from each process effluent and combined effluent sampling point of that discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the column marked "M", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(3) Each set of samples collected under subsection (1) shall be collected on one of the days on which a sample is collected under subsection 8(1) from the same sampling point, if a sample is collected from that sampling point under subsection 8(1) in the month.

(4) Each set of samples collected under subsection (1) shall be collected on one of the days on which a sample is collected under subsection 7(1) from the same sampling point, if a sample is collected from that sampling point under subsection 7(1) in the month.

(5) For the purposes of subsection (1), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (1) shall be collected no sooner than two weeks after the previous sampling under subsection (1) from that sampling point.

Cooling Water Monitoring

10.-(1) On one operating day in each month, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsection (2) from each cooling water effluent sampling point of that discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the column marked "M", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(3) For the purposes of subsection (1), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (1) shall be collected no sooner than two weeks after the previous sampling under subsection (1) from that sampling point.

(4) On one operating day in each quarter, each direct discharger shall collect a set of samples sufficient to perform the analysis required by subsection (5) from each cooling water sampling point of that discharger.

(5) Each direct discharger shall analyze each set of samples collected under subsection (4) for the parameters indicated in the column marked "Q", for the cooling water effluent stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(6) For the purposes of subsection (4), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (4) shall be collected no sooner than sixty days after the previous sampling under subsection (4) from that sampling point

Storm Water Monitoring

11.-(1) On one operating day in each month in which there is a storm event or a thaw on an operating day, during a storm water discharge related to a storm event or thaw, each direct discharger shall collect a set of samples from each storm water sampling point of that discharger that is affected by the storm event or thaw, sufficient to perform all of the analyses required by subsection (2).

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the column marked "M", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(3) Where a direct discharger has been unable to collect a set of samples from a storm water sampling point as required by subsection (1) because of insufficient flow, the discharger shall, on the earliest possible operating day, collect a compensating set of samples from that sampling point during a subsequent storm water discharge in respect of which the flow is sufficient and in respect of which a set of samples is not collected under subsection (1) and shall analyze the compensating set for the parameters referred to in subsection (2).

(4) The discharge of storm water referred to in subsection (3) shall be related to a storm event or thaw that affects the sampling point from which the compensating set of samples is collected.

Quality Control Monitoring

12-(1) Once in each month, on a day on which samples are collected under section 9 from the process effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for the direct discharger's plant, each direct discharger shall collect a duplicate sample for each sample collected on that day from that stream under sections 6 and 7.

(2) Each direct discharger shall analyze each set of duplicate samples collected under subsection (1) for samples collected under section 6 for the parameters indicated in the column marked "D" and each set of duplicate samples collected under subsection (1) for samples collected under section 7 for the parameters indicated in the column marked "TW", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(3) Quarterly, on a day on which samples are collected under subsection (1), each direct discharger shall collect a duplicate sample for each sample collected on that day under sections 8 and 9 from the process effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant.

(4) Each direct discharger shall analyze each set of duplicate samples collected under subsection (3) for samples collected under section 8 for the parameters indicated in the column marked "W"and each set of duplicate samples collected under subsection (3) for samples collected under section 9 for the parameters indicated in the column marked "M", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(5) For the purposes of subsection (3), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (3) shall be collected no sooner than sixty days after the previous sampling under subsection (3) from that sampling point.

(6) Semi-annually, on a day on which samples are collected under section 9 from the combined effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for the direct discharger's plant, each direct discharger shall collect a duplicate sample for each sample collected on that day from that stream under sections 8 and 9.

(7) Each direct discharger shall analyze each set of duplicate samples collected under subsection (6) for samples collected under section 8 for the parameters indicated in the column marked "W" and each set of duplicate samples collected under subsection (6) for samples collected under section 9 for the parameters indicated in the column marked "M", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(8) For the purposes of subsection (6), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (5) shall be collected no sooner than 180 days after the previous sampling under subsection (5) from that sampling point.

(9) Once in each month, on the day on which samples are collected under subsection (1), each direct discharger shall prepare a travelling blank sample for each sample collected under sections 6 and 7 from the process effluent stream indicated as

requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant.

(10) Each direct discharger shall analyze each set of travelling blank samples prepared under subsection (9) for samples collected under section 6 for the parameters indicated in the column marked "D" and each set of travelling blank samples prepared under subsection (9) for samples collected under section 7 for the parameters indicated in the column marked "TW", for the stream from which the samples for which the travelling blank samples were prepared were collected, of the site-specific monitoring schedule for that discharger's plant.

(11) Quarterly, on the day on which samples are collected under subsection (3), each direct discharger shall prepare a travelling blank sample and a travelling spiked blank sample for each sample collected on that day under sections 8 and 9 from the process effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant.

(12) Each direct discharger shall analyze each set of travelling blank samples prepared under subsection (11) for samples collected under section 8 for the parameters indicated in the column marked "W" and each set of travelling blank samples prepared under subsection (11) for samples collected under section 9 for the parameters indicated in the column marked "M", for the stream from which the samples for which the travelling blank samples were prepared were collected, of the site-specific monitoring schedule for that discharger's plant.

(13) Each direct discharger shall analyze each set of travelling spiked blank samples prepared under subsection (11) for samples collected under section 8 for the parameters in the column marked "W" and each set of travelling spiked blank samples prepared under subsection (11) for samples collected under section 9 for the parameters in analytical test groups 16 to 23 and 26 indicated in the column marked "M", for the stream from which the samples for which the travelling spiked blank samples were prepared were collected, of the site-specific monitoring schedule for that discharger's plant.

(14) Semi-annually, on the day on which samples are collected under subsection (6) each direct discharger shall prepare a travelling blank sample and a travelling spiked blank sample for each sample collected on that day under sections 8 and 9 from the combined effluent stream indicated as requiring quality control monitoring in the site-specific monitoring schedule for that discharger's plant.

(15) Each direct discharger shall analyze each set of travelling blank samples prepared under subsection (14) for samples collected under section 8 for the parameters indicated in the column marked "W" and each set of travelling blank samples prepared under subsection (14) for samples collected under section 9 for the parameters indicated in the column marked "M", for the stream from which the samples for which the travelling blank samples were prepared were collected, of the site-specific monitoring schedule for that discharger's plant.

(16) Each direct discharger shall analyze each set of travelling spiked blank samples prepared under subsection (14) for samples collected under section 8 and each set of travelling spiked blank samples prepared under subsection (14) for samples collected under section 9 for the parameters in analytical test groups 16 to 23 and 26 indicated in the characterization parameters schedule for that discharger's plant.

(17) Despite subsections (10), (12) and (15), a direct discharger need not analyze a travelling blank sample for the parameters in analytical test groups 1, 3 and 8 as indicated in the characterization parameters schedule for that discharger's plant.

Toxicity Testing

13.-(1) Each direct discharger shall collect a sample from the sampling point on each process effluent and combined effluent stream indicated in that discharger's site-specific monitoring schedule as requiring toxicity testing, at the toxicity testing frequencies and minimum intervals specified for that stream in that schedule, and shall perform a fish toxicity test and a *Daphnia magna* acute lethality toxicity test on each such sample.

(2) Each set of samples collected under subsection (1) shall be collected on one of the days on which a sample is collected under subsection 9(1) from the same sampling point.

(3) If the fish toxicity tests performed by a direct discharger under subsection (1) on all samples from a process effluent or a combined effluent sampling point in three consecutive months result in mortality for no more than two out of ten fish at all effluent concentrations, the discharger may thereafter perform the fish toxicity tests required by subsection (1), on the samples from that sampling point, on 100 per cent undiluted samples only.

(4) If a fish toxicity test performed under subsection (3) on any sample from a process effluent or a combined effluent

sampling point results in mortality for more than two out of ten fish, subsection (3) ceases to apply and continues not to apply to samples from that sampling point, until the fish toxicity tests performed under subsection (1) on all samples from that sampling point in a further three consecutive months result in mortality for no more than two out of ten fish at all effluent concentrations.

(5) Subsections (3) and (4) apply only with respect to sampling points on effluent streams in relation to which a site-specific monitoring schedule indicates that monthly toxicity testing is required.

(6) Each direct discharger shall collect a sample from the sampling point on the cooling water effluent stream indicated in that discharger's site-specific monitoring schedule as requiring toxicity testing, at the toxicity testing frequencies and minimum intervals specified for that stream in that schedule, and shall perform a fish toxicity test and a Daphnia magna acute lethality toxicity test on each such sample.

(7) Each set of samples collected under subsection (6) shall be collected on one of the days on which a sample is collected under subsection 10(1) from the same sampling point.

Flow Measurement

14.-(1) Each direct discharger shall continuously measure and record the flow of each process effluent stream and combined effluent stream of that discharger at a location or set of locations representative of the flow at the sampling point established for that stream.

(2) Where the flow of a process effluent stream or combined effluent stream cannot be continuously measured on any operating day because of equipment malfunction and all reasonable care has been taken to avoid and correct the malfunction, the direct discharger may fulfill the continuous flow measurement requirement of subsection (1) by estimating the total volume of effluent discharged on that day from that stream, and recording that estimate.

(3) Each direct discharger shall at the time of each sampling under this Regulation from a cooling water effluent stream of that discharger, measure or estimate the flow of that stream at a location or a set of locations representative of the flow at the sampling point established for that stream and shall record the measured or estimated data.

(4) Each direct discharger shall at the time of each sampling under this Regulation from a storm water effluent stream of that discharger, measure or estimate the flow of that stream at a location or a set of locations representative of the flow at the sampling point established for that stream and shall record the measured or estimated data.

(5) Subject to subsection (6), each direct discharger shall demonstrate by calibration, performed no earlier than 365 days before the filing of this Regulation and no later than thirty days before the first use of the device for the purposes of this Regulation, that each primary flow measuring device used to measure the flow of a process effluent stream for the purposes of this Regulation, meets the accuracy requirement of subsection 6(1) of the General Effluent Monitoring Regulation.

(6) Where a direct discharger demonstrates to the Director, by means of a certified report of a registered professional engineer of the Province of Ontario, that a primary flow measuring device has been designed and installed in accordance with standards of a national or international standards setting organization, that primary flow measuring device will be deemed to have met the accuracy requirement of subsection 6(1) of the General Effluent Monitoring Regulation.

(7) Subject to subsection (8), each direct discharger shall demonstrate by calibration, performed no earlier than 365 days before the filing of this Regulation and no later than thirty days before the first use of the device for the purposes of this Regulation, that each flow measuring device used to measure the flow of a combined effluent stream for the purposes of this Regulation, meets the accuracy requirement of subsection 6(3) of the General Effluent Monitoring Regulation.

(8) Where a direct discharger demonstrates to the Director, by means of a certified report of a registered professional engineer of the Province of Ontario, that a flow measurement device has been designed and installed in accordance with the standards of a national or international standards setting organization, that flow measurement device will be deemed to have met the accuracy requirement of subsection 6(3) of the General Effluent Monitoring Regulation.

Extended Weekly Monitoring

15.-(1) On one operating day in each week, each direct discharger shall collect a set of samples sufficient to perform all of the analyses required by subsection (2) from each process effluent and combined effluent sampling point of that discharger.

(2) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the columns marked "D", "TW" and "W", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

(3) For the purposes of subsection (1), samples collected from a sampling point after the first sample is collected from that sampling point under subsection (1) shall be collected no sooner than two days after the previous sample under subsection (1) from that sampling point.

Reporting

16.-(1) Each direct discharger shall, by the 8th day of February, 1990 submit an initial report to the Director in respect of that discharger's plant.

(2) Each direct discharger shall ensure that the plans submitted under paragraph 1 of subsection 7(1) of the General Effluent Monitoring Regulation identify by type each effluent stream named in the site-specific monitoring schedule for that discharger's plant.

(3) Each direct discharger shall notify the Director in writing of any changes in respect of the information submitted under subsection (1), within thirty days after the end of the month during which the change occurs.

(4) Each direct discharger shall notify the Director in writing of any change of name or ownership of its plant occurring after the 27th day of September, 1989, within thirty days after this Regulation comes into force or within thirty days after any such change.

(5) Each direct discharger shall, no later than thirty days after the event, notify the Director in writing of any process change that occurs after this Regulation comes into force that may significantly affect the chemical composition of the effluent in any effluent stream named in the site-specific monitoring schedule for that discharger's plant.

(6) Each direct discharger shall, no later than thirty days before the event or thirty days after this Regulation comes into force, notify the Director in writing of any redirection of or change in the type of an effluent stream named in the site-specific monitoring schedule for that discharger's plant that occurs after the day this Regulation comes into force.

(7) For the purposes of subsections (2) and (6), effluent stream types are the types mentioned in subsection 4(1).

(8) Despite subsection (6), a direct discharger need not notify the Director of a redirection of an effluent stream to an emergency overflow effluent stream.

(9) Each direct discharger shall report to the Director the results of all analyses of samples performed by or on behalf of the discharger under sections 5 to 12 and 15 of this Regulation, including all positive numerical values at or above the analytical method detection limits calculated by the laboratory performing the analysis, together with the date on which each sample was collected and the method used to collect each sample.

(10) Each direct discharger shall, in accordance with subsection 7(6) of the General Effluent Monitoring Regulation, report to the Director the toxicity test information obtained under section 13, together with the date on which each sample was collected under section 13.

(11) The information required to be reported under subsection (10) constitutes results of analyses within the meaning of subsection 7(2) of the General Effluent Monitoring Regulation.

(12) Each direct discharger shall submit to the Director documentation of any calibration or certification of accuracy required by subsections 14(5) to (8) of this Regulation and subsection 6(2) of the General Effluent Monitoring Regulation, no later than thirty days before the first use of the device for the purposes of this Regulation.

(13) Each direct discharger shall, with respect to each method, device or calculation for flow measurement or estimation to be used in meeting the requirements of subsections 14(3) and (4), submit to the Director, no later than thirty days before the first use of the method, device or calculation for the purposes of this Regulation, documentation sufficient to satisfy the Director that the method, device or calculation complies with the accuracy requirements of subsection 6(6) of the General Effluent Monitoring Regulation.

(14) Each direct discharger shall submit to the Director documentation of each calibration performed under subsection 6(7) of the General Effluent Monitoring Regulation, within thirty days after the calibration was performed or within thirty days after this Regulation comes into force.

(15) Each direct discharger shall report to the Director the flow measurement information required to be recorded under subsections 14(1) to (4) in respect of each process effluent stream, combined effluent stream, cooling water effluent stream and storm water effluent stream of that discharger, together with the date on which each flow was measured.

(16) Each direct discharger shall submit to the Director a description of any methods, devices or calculations used in estimating the volume of a discharge of effluent under subsection 14(2), together with an assessment of the accuracy of those methods, devices or calculations, within sixty days after each such estimation.

(17) If the Table in subsection 3(2) indicates that storm event reporting is required in relation to a direct discharger's plant, the discharger shall report to the Director the date, approximate duration and amount of rainfall of each storm event in relation to that plant that occurs during the period beginning on the 1st day of May, 1990, and ending on the 30th day of April, 1991, within sixty days after each such storm event.

(18) Each direct discharger shall submit to the Director, at least thirty days before the collection of the first sample in each month under sections 5, 9 and 10, a schedule of intended sampling dates by sampling point location for all sampling to be done under those sections.

(19) Each direct discharger shall make every reasonable effort to follow the schedule submitted under subsection (18) but if the schedule cannot be followed as submitted, the discharger shall notify the Director promptly of any change in dates.

(20) Within thirty days after the end of each quarter, each direct discharger shall submit a report to the Director summarizing the quantities of chemicals added to each cooling water effluent stream of that discharger from which samples were collected under section 10 in the quarter, and stating the dates on which these additions occurred.

(21) Each direct discharger shall, no later than the 1st day of June, 1991, submit a report to the Director describing the variation in daily flow for the period beginning the 1st day of May, 1990 and ending the 30th day of April, 1991, of each process effluent stream from which samples are collected under this Regulation other than by means described in clauses 3(4)(a), (b) and (e) of the General Effluent Monitoring Regulation.

(22) The report referred to in subsection (21) shall include the raw data and calculation methods used to produce the report.

(23) Each direct discharger shall keep records of all sampling required by this Regulation, including, for each sample, the date of collection, the sampling procedures used, the amount of sample dilution by preservative if dilution exceeds 1 per cent, and any incident likely to affect an analytical result.

(24) Each direct discharger shall record the results of all maintenance and calibration performed on sampling equipment used in meeting the requirements of this Regulation.

(25) Each direct discharger shall keep records of all analytical methods used in meeting the requirements of this Regulation.

(26) Each direct discharger shall submit a report to the Director detailing the date, duration and cause of each sampling, toxicity testing, analytical and flow measurement malfunction or problem that interferes with fulfilling the requirements of this Regulation, together with a description of any remedial action taken, within sixty days after the day on which the malfunction or problem occurs.

(27) Each direct discharger shall keep all records and reports required by this Regulation to be kept or made for a period of two years following the date of the last report submitted to the Director under this section.

Commencement

17.-(1) This Regulation, except sections 5 to 13, subsections 14(1) to (4) and section 15 , comes into force on the day on which it is filed.

(2) Sections 5 to 13 and subsections 14(1) to (4) come into force on the 1st day of May, 1990.

(3) Section 15 comes into force on the 1st day of May, 1991.

Revocation

18.-(1) Sections 5 to 13 are revoked on the 1st day of May, 1991.

(2) Subsections 14(1) to (4) and section 15 are revoked on the 1st day of May, 1992.

LEGEND FOR SCHEDULES AA to DD and A to M

ATG - Analytical Test Group

D - Daily

TW - Thrice weekly

W - Weekly

M - Monthly

Q - Quarterly

SA - Semi-annually

SCHEDULE AA - CHARACTERIZATION PARAMETERS SCHEDULE

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP		PARAMETERS	CAS #s
#	NAME		
1	Chemical Oxygen Demand	Chemical oxygen demand (COD)	N/A
2	Total cyanide	Total cyanide	57-12-5
3	Hydrogen ion (pH)	Hydrogen ion (pH)	N/A
4a	Nitrogen	Ammonia plus Ammonium	N/A
		Total Kjeldahl nitrogen	N/A
4b		Nitrate + Nitrite	N/A
5a	Organic carbon	Dissolved organic carbon (DOC)	N/A
5b		Total organic carbon (TOC)	N/A
6	Total phosphorus	Total phosphorus	7723-14-0
7	Specific conductance	Specific conductance	N/A
8	Suspended solids	Total suspended solids (TSS)	N/A
		Volatile suspended solids (VSS)	N/A
9	Total metals	Aluminum	7429-90-5
		Beryllium	7440-41-7
		Cadmium	7440-43-9
		Chromium	7440-47-3
		Cobalt	7440-48-4
		Copper	7440-50-8
		Lead	7439-92-1
		Molybdenum	7439-98-7
		Nickel	7440-02-0
		Silver	7440-22-4
		Thallium	7440-28-0
		Vanadium	7440-62-2
		Zinc	7440-66-6
10	Hydrides	Antimony	7440-36-0
		Arsenic	7440-38-2
		Selenium	7782-49-2
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)	7440-47-3
12	Mercury	Mercury	7439-97-6

SCHEDULE AA - CHARACTERIZATION PARAMETERS SCHEDULE

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
13	Total alkyl lead (NOTE 2)	Tetra-ethyl lead	78-00-2
		Tri-ethyl lead	N/A
14	Phenolics (4AAP)	Phenolics (4AAP)	N/A
15	Sulphide	Sulphide	N/A
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane	79-34-5
		1,1,2-Trichloroethane	79-00-5
		1,1-Dichloroethane	75-34-3
		1,1-Dichloroethylene	75-35-4
		1,2-Dichlorobenzene	95-50-1
		1,2-Dichloroethane (Ethylene dichloride)	107-06-2
		1,2-Dichloropropane	78-87-5
		1,3-Dichlorobenzene	541-73-1
		1,4-Dichlorobenzene	106-46-7
		Bromoform	75-25-2
		Bromomethane	74-83-9
		Carbon tetrachloride	56-23-5
		Chlorobenzene	108-90-7
		Chloroform	67-66-3
		Chloromethane	74-87-3
		Cis-1,3-Dichloropropylene	10061-01-5
		Dibromochloromethane	124-48-1
		Ethylene dibromide	106-93-4
		Methylene chloride	75-09-2
		Tetrachloroethylene (Perchloroethylene)	127-18-4
		Trans-1,2-Dichloroethylene	156-60-5
		Trans-1,3-Dichloropropylene	10061-02-6
		Trichloroethylene	79-01-6
		Trichlorofluoromethane	75-69-4
		Vinyl chloride (Chloroethylene)	75-01-4
17	Volatiles, Non-Halogenated	Benzene	71-43-2
		Styrene	100-42-5
		Toluene	108-88-3
		o-Xylene	95-47-6
		m-Xylene and p-Xylene	108-38-3
			& 106-42-3
18	Volatiles, Water Soluble	Acrolein	107-02-8
		Acrylonitrile	107-13-1

SCHEDULE AA - CHARACTERIZATION PARAMETERS SCHEDULE

COLUMN 1		COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP		PARAMETERS	CAS #s
#	NAME		
19	Extractables, Base Neutral	Acenaphthene	83-32-9
		5-nitro Acenaphthene	602-87-9
		Acenaphthylene	208-96-8
		Anthracene	120-12-7
		Benz(a)anthracene	56-55-3
		Benzo(a)pyrene	50-32-8
		Benzo(b)fluoranthene	205-99-2
		Benzo(g,h,i)perylene	191-24-2
		Benzo(k)fluoranthene	207-08-9
		Biphenyl (NOTE 3)	92-52-4
		Camphene	79-92-5
		1-Chloronaphthalene	90-13-1
		2-Chloronaphthalene	91-58-7
		Chrysene	218-01-9
		Dibenz(a,h)anthracene	53-70-3
		Fluoranthene	206-44-0
		Fluorene	86-73-7
		Indeno(1,2,3-cd)pyrene	193-39-5
		Indole	120-72-9
		1-Methylnaphthalene	90-12-0
		2-Methylnaphthalene	91-57-6
		Naphthalene	91-20-3
		Perylene	198-55-0
		Phenanthrene	85-01-8
		Pyrene	129-00-0
		Benzyl butyl phthalate	85-68-7
		Bis(2-ethylhexyl) phthalate	117-81-7
		Di-n-butyl phthalate	84-74-2
		4-Bromophenyl phenyl ether	101-55-3
		4-Chlorophenyl phenyl ether	7005-72-3
		Bis(2-chloroisopropyl)ether	108-60-1
		Bis(2-chloroethyl)ether	111-44-4
		Diphenyl ether (NOTE 4)	10-184-8
		2,4-Dinitrotoluene	121-14-2
		2,6-Dinitrotoluene	606-20-2
		Bis(2-chloroethoxy)methane	111-91-1
		Diphenylamine	122-39-4
		N-Nitrosodiphenylamine	86-30-6
		N-Nitrosodi-n-propylamine	621-64-7

SCHEDULE AA - CHARACTERIZATION PARAMETERS SCHEDULE

COLUMN 1		COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol	4901-51-3
		2,3,4,6-Tetrachlorophenol	58-90-2
		2,3,5,6-Tetrachlorophenol	935-95-5
		2,3,4-Trichlorophenol	15950-66-0
		2,3,5-Trichlorophenol	933-78-8
		2,4,5-Trichlorophenol	95-95-4
		2,4,6-Trichlorophenol	88-06-2
		2,4-Dimethyl phenol	105-67-9
		2,4-Dinitrophenol	51-28-5
		2,4-Dichlorophenol	120-83-2
		2,6-Dichlorophenol	87-65-0
		4,6-Dinitro-o-cresol	534-52-1
		2-Chlorophenol	95-57-8
		4-Chloro-3-methylphenol	59-50-7
		4-Nitrophenol	100-02-7
		m-Cresol	108-39-4
		o-Cresol	95-48-7
		p-Cresol	106-44-5
		Pentachlorophenol	87-86-5
		Phenol	108-95-2
23	Extractables, Neutral -Chlorinated	1,2,3,4-Tetrachlorobenzene	634-66-2
		1,2,3,5-Tetrachlorobenzene	634-90-2
		1,2,4,5-Tetrachlorobenzene	95-94-3
		1,2,3-Trichlorobenzene	87-61-6
		1,2,4-Trichlorobenzene	120-82-1
		2,4,5-Trichlorotoluene	6639-30-1
		Hexachlorobenzene	118-74-1
		Hexachlorobutadiene	87-68-3
		Hexachlorocyclopentadiene	77-47-4
		Hexachloroethane	67-72-1
		Octachlorostyrene	29082-74-4
		Pentachlorobenzene	608-93-5
24	Chlorinated Dibenzo-p-dioxins and Dibenzofurans	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6
		Octachlorodibenzo-p-dioxin	326-88-7
		Octachlorodibenzofuran	Unavailable
		Total heptachlorinated dibenzo-p-dioxins	Unavailable
		Total heptachlorinated dibenzofurans	Unavailable
		Total hexachlorinated dibenzo-p-dioxins	34465-46-8
		Total hexachlorinated dibenzofurans	Unavailable
		Total pentachlorinated dibenzo-p-dioxins	Unavailable
		Total pentachlorinated dibenzofurans	Unavailable
		Total tetrachlorinated dibenzo-p-dioxins	Unavailable
		Total tetrachlorinated dibenzofurans	Unavailable

SCHEDULE AA - CHARACTERIZATION PARAMETERS SCHEDULE

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP		PARAMETERS	CAS #s
#	NAME		
25	Solvent Extractables	Oil and grease	
26	Fatty and Resin Acids	Abietic acid	514-10-3
		Chlorodehydroabietic acid	61996-36-7
		Dehydroabietic acid	1740-19-8
		Isopimaric acid	5835-26-7
		Levopimaric acid	79-54-9
		Neoabietic acid	471-77-2
		Oleic acid	112-80-1
		Pimaric acid	127-27-5
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)	Unavailable
MC1	Metals	Iron	7439-89-6
		Magnesium	7439-95-4
MC2	Fluoride	Fluoride	N/A

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

NOTE 3: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.6 micrograms per litre.

NOTE 4: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.4 micrograms per litre.

SCHEDULE BB - CHARACTERIZATION PARAMETERS SCHEDULE

COLUMN 1		COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP		PARAMETERS	CAS #s
#	NAME		
1	Chemical Oxygen Demand	Chemical oxygen demand (COD)	N/A
2	Total cyanide	Total cyanide	57-12-5
3	Hydrogen ion (pH)	Hydrogen ion (pH)	N/A
4a	Nitrogen	Ammonia plus Ammonium	N/A
		Total Kjeldahl nitrogen	N/A
4b		Nitrate + Nitrite	N/A
5a	Organic carbon	Dissolved organic carbon (DOC)	N/A
5b		Total organic carbon (TOC)	N/A
6	Total phosphorus	Total phosphorus	7723-14-0
7	Specific conductance	Specific conductance	N/A
8	Suspended solids	Total suspended solids (TSS)	N/A
		Volatile suspended solids (VSS)	N/A
9	Total metals	Aluminum	7429-90-5
		Beryllium	7440-41-7
		Cadmium	7440-43-9
		Chromium	7440-47-3
		Cobalt	7440-48-4
		Copper	7440-50-8
		Lead	7439-92-1
		Molybdenum	7439-98-7
		Nickel	7440-02-0
		Silver	7440-22-4
		Thallium	7440-28-0
		Vanadium	7440-62-2
		Zinc	7440-66-6
10	Hydrides	Antimony	7440-36-0
		Arsenic	7440-38-2
		Selenium	7782-49-2
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)	7440-47-3
12	Mercury	Mercury	7439-97-6

SCHEDULE BB - CHARACTERIZATION PARAMETERS SCHEDULE

COLUMN 1		COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
13	Total alkyl lead (NOTE 2)	Tetra-ethyl lead	78-00-2
		Tri-ethyl lead	N/A
14	Phenolics (4AAP)	Phenolics (4AAP)	N/A
15	Sulphide	Sulphide	N/A
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane	79-34-5
		1,1,2-Trichloroethane	79-00-5
		1,1-Dichloroethane	75-34-3
		1,1-Dichloroethylene	75-35-4
		1,2-Dichlorobenzene	95-50-1
		1,2-Dichloroethane (Ethylene dichloride)	107-06-2
		1,2-Dichloropropane	78-87-5
		1,3-Dichlorobenzene	541-73-1
		1,4-Dichlorobenzene	106-46-7
		Bromoform	75-25-2
		Bromomethane	74-83-9
		Carbon tetrachloride	56-23-5
		Chlorobenzene	108-90-7
		Chloroform	67-66-3
		Chloromethane	74-87-3
		Cis-1,3-Dichloropropylene	10061-01-5
		Dibromochloromethane	124-48-1
		Ethylene dibromide	106-93-4
		Methylene chloride	75-09-2
		Tetrachloroethylene (Perchloroethylene)	127-18-4
		Trans-1,2-Dichloroethylene	156-60-5
		Trans-1,3-Dichloropropylene	10061-02-6
		Trichloroethylene	79-01-6
		Trichlorofluoromethane	75-69-4
		Vinyl chloride (Chloroethylene)	75-01-4
17	Volatiles, Non-Halogenated	Benzene	71-43-2
		Styrene	100-42-5
		Toluene	108-88-3
		o-Xylene	95-47-6
		m-Xylene and p-Xylene	108-38-3
			& 106-42-3
18	Volatiles, Water Soluble	Acrolein	107-02-8
		Acrylonitrile	107-13-1

SCHEDULE BB - CHARACTERIZATION PARAMETERS SCHEDULE

	COLUMN 1	COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
19	Extractables, Base Neutral	Acenaphthene	83-32-9
		5-nitro Acenaphthene	602-87-9
		Acenaphthylene	208-96-8
		Anthracene	120-12-7
		Benz(a)anthracene	56-55-3
		Benzo(a)pyrene	50-32-8
		Benzo(b)fluoranthene	205-99-2
		Benzo(g,h,i)perylene	191-24-2
		Benzo(k)fluoranthene	207-08-9
		Biphenyl (NOTE 3)	92-52-4
		Camphene	79-92-5
		1-Chloronaphthalene	90-13-1
		2-Chloronaphthalene	91-58-7
		Chrysene	218-01-9
		Dibenz(a,h)anthracene	53-70-3
		Fluoranthene	206-44-0
		Fluorene	86-73-7
		Indeno(1,2,3-cd)pyrene	193-39-5
		Indole	120-72-9
		1-Methylnaphthalene	90-12-0
		2-Methylnaphthalene	91-57-6
		Naphthalene	91-20-3
		Perylene	198-55-0
		Phenanthrene	85-01-8
		Pyrene	129-00-0
		Benzyl butyl phthalate	85-68-7
		Bis(2-ethylhexyl) phthalate	117-81-7
		Di-n-butyl phthalate	84-74-2
		4-Bromophenyl phenyl ether	101-55-3
		4-Chlorophenyl phenyl ether	7005-72-3
		Bis(2-chloroisopropyl)ether	108-60-1
		Bis(2-chloroethyl)ether	111-44-4
		Diphenyl ether (NOTE 4)	10-184-8
		2,4-Dinitrotoluene	121-14-2
		2,6-Dinitrotoluene	606-20-2
		Bis(2-chloroethoxy)methane	111-91-1
		Diphenylamine	122-39-4
		N-Nitrosodiphenylamine	86-30-6
		N-Nitrosodi-n-propylamine	621-64-7

SCHEDULE BB - CHARACTERIZATION PARAMETERS SCHEDULE

COLUMN 1		COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP		PARAMETERS	CAS #s
#	NAME		
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol	4901-51-3
		2,3,4,6-Tetrachlorophenol	58-90-2
		2,3,5,6-Tetrachlorophenol	935-95-5
		2,3,4-Trichlorophenol	15950-66-0
		2,3,5-Trichlorophenol	933-78-8
		2,4,5-Trichlorophenol	95-95-4
		2,4,6-Trichlorophenol	88-06-2
		2,4-Dimethyl phenol	105-67-9
		2,4-Dinitrophenol	51-28-5
		2,4-Dichlorophenol	120-83-2
		2,6-Dichlorophenol	87-65-0
		4,6-Dinitro-o-cresol	534-52-1
		2-Chlorophenol	95-57-8
		4-Chloro-3-methylphenol	59-50-7
		4-Nitrophenol	100-02-7
		m-Cresol	108-39-4
		o-Cresol	95-48-7
		p-Cresol	106-44-5
		Pentachlorophenol	87-86-5
		Phenol	108-95-2
25	Solvent Extractables	Oil and grease	
26	Fatty and Resin Acids	Abietic acid	514-10-3
		Chlorodehydroabietic acid	61996-36-7
		Dehydroabietic acid	1740-19-8
		Isopimaric acid	5835-26-7
		Levopimaric acid	79-54-9
		Neoabietic acid	471-77-2
		Oleic acid	112-80-1
		Pimaric acid	127-27-5
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)	Unavailable

SCHEDULE BB - CHARACTERIZATION PARAMETERS SCHEDULE

COLUMN 1		COLUMN 2	COLUMN 3
ANALYTICAL TEST GROUP #	NAME	PARAMETERS	CAS #s
MC1	Metals	Iron	7439-89-6
		Magnesium	7439-95-4
MC2	Fluoride	Fluoride	N/A

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

NOTE 3: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.6 micrograms per litre.

NOTE 4: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Method Detection Limit of 0.4 micrograms per litre.

SCHEDULE CC - SAMPLING PRINCIPLES

Column 1 ANALYTICAL TEST GROUP	Column 2 LABORATORY SAMPLE CONTAINER	Column 3 LABORATORY CONTAINER PRE-TREATMENT	Column 4 TEST SPECIFIC SAMPLING PRECAUTIONS	Col. 5 MIN. SAM. VOL	Column 6 PRESERVATION METHOD	Column 7 MAX. STORAGE TIME (DAYS)
Fatty and	**Resin Acids**					
26	Amber glass or fluorocarbon resin with fluorocarbon resin lined cap.	If pre-treatment necessary: Bottle: Sequence of extensive washing/hot water, detergent, water, distilled water. Bake at 300° C for 8 h minimum or 3 rinses with pesticide grade or distilled in glass hexane and dichloromethane. Cap: no pre-treatment.	Contact surfaces must be glass, fluorocarbon resin or stainless steel.	800mL	None	7
Metals						
MC1	Sample containers and caps/ liners must be composed only of one or more of the following materials: fluorocarbon resin, polyethylene terephthalate, glass, polystyrene, polypropylene, high or low density polyethylene. Metallic foil should not be used.	If pre-treatment necessary, soak overnight in a 5% solution of nitric acid (HNO3), followed by several rinses in distilled water.	If sample is high (>5%) in hydrocarbons or organic solvents, use glass or fluorocarbon resin sample container only.	100mL	Add nitric acid (HNO3) (containing <1 mg/L of all analytes) to lower pH to <2.	30

SCHEDULE CC - SAMPLING PRINCIPLES

Column 1	Column 2	Column 3	Column 4	Col. 5	Column 6	Column 7
ANALYTICAL TEST GROUP	LABORATORY SAMPLE CONTAINER	LABORATORY CONTAINER PRE-TREATMENT	TEST SPECIFIC SAMPLING PRECAUTIONS	MIN. SAM. VOL	PRESERVATION METHOD	MAX. STORAGE TIME (DAYS)
Fluoride MC2	Sample containers and caps/ liners must be composed only of one or more of the following materials: fluorocarbon resin, polyethylene terephthalate, glass, polystyrene, polypropylene, high or low density polyethylene. Metallic foil should not be used.	Generally no pre-treatment required for new containers.	If sample is high (>5%) in hydrocarbons or organic solvents, use glass or fluorocarbon resin sample container only.	50 mL	None	28

SCHEDULE DD - ANALYTICAL PRINCIPLES & ANALYTICAL METHOD DETECTION LIMITS

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
ANALYTICAL TEST GROUP #	PARAMETERS CONVENTIONAL AND METAL PARAMETERS	SAMPLE PREPARATION METHOD PRINCIPLES	INSTRUMENTAL MEASUREMENT METHOD PRINCIPLES	ALTERNATE INSTRUMENTAL MEASUREMENT METHOD PRINCIPLES	ANALYTICAL METHOD DETECTION LIMITS
26	Abietic acid	pH adjusted to 9 Liquid/liquid extraction with methyl t-butyl ether methylation with diazomethane	Gas Chromatography/ Flame Ionization Detection Capillary column	N/A	0.005
	Chlorodehydroabietic acid				0.005
	Dehydroabietic acid				0.005
	Isopimaric acid				0.005
	Levopimaric acid				0.005
	Neoabietic acid				0.005
	Oleic acid				0.005
	Pimaric acid				0.005
MC1	Iron	Nitric evaporation or aqua regia digestion	Atomic absorption spectrometry and/or Emission Spectrometry - Inductively Coupled Plasma (ICP) or Direct Current Argon Plasma Spectrometry (DCP)	Polarography via the method of standard addition in the presence of suitable electrolyte	0.02 mg/L
	Magnesium				
MC2	Fluoride	Preparation for measurement system as appropriate	Colourimetry or Specific Ion Electrode	N/A	0.1 mg/L

SCHEDULE A: ACUSTAR CANADA INC. - ETOBICOKE

		NAME OF EFFLUENT STREAM:	Storm Sewer
		EFFLUENT STREAM TYPE:	Cooling Water
		CHARACTERIZATION SAMPLING REQUIRED:	No
		CHARACTERIZATION SAMPLING FREQUENCY:	None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		ATG 24 SAMPLING REQUIRED:	No
		ATG 24 SAMPLING FREQUENCY:	None
		ATG 24 SAMPLING MINIMUM INTERVAL:	
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		TOXICITY TESTING REQUIRED:	Yes
		TOXICITY TESTING FREQUENCY:	Semi-annually
		TOXICITY TESTING MINIMUM INTERVAL:	180 days
		QUALITY CONTROL MONITORING REQUIRED:	No
		FREQUENCY OF SAMPLING:	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
3	Hydrogen Ion (pH)	Hydrogen ion (pH)	X
5a	Organic carbon	Dissolved organic carbon (DOC)	X
5b	Organic carbon	Total organic carbon (TOC)	
8	Suspended solids	Total suspended solids (TSS)	X
		Volatile suspended solids (VSS)	
9	Total metals	Aluminum	X
		Beryllium	X
		Cadmium	X
		Chromium	X
		Cobalt	X
		Copper	X
		Lead	X
		Molybdenum	X
		Nickel	X
		Silver	X

SCHEDULE A: ACUSTAR CANADA INC. - ETOBICOKE

		NAME OF EFFLUENT STREAM:	Storm Sewer
		EFFLUENT STREAM TYPE:	Cooling Water
		CHARACTERIZATION SAMPLING REQUIRED:	No
		CHARACTERIZATION SAMPLING FREQUENCY:	None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		ATG 24 SAMPLING REQUIRED:	No
		ATG 24 SAMPLING FREQUENCY:	None
		ATG 24 SAMPLING MINIMUM INTERVAL:	
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		TOXICITY TESTING REQUIRED:	Yes
		TOXICITY TESTING FREQUENCY:	Semi-annually
		TOXICITY TESTING MINIMUM INTERVAL:	180 days
		QUALITY CONTROL MONITORING REQUIRED:	No
		FREQUENCY OF SAMPLING:	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
9	Total metals (continued)	Thallium	X
		Vanadium	X
		Zinc	X
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)	X
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead	X
		Tri-alkyl lead	X
25	Solvent Extractables	Oil and grease	X
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)	X

SCHEDULE A: ACUSTAR CANADA INC. - ETOBICOKE

		NAME OF EFFLUENT STREAM:	Storm Sewer
		EFFLUENT STREAM TYPE:	Cooling Water
		CHARACTERIZATION SAMPLING REQUIRED:	No
		CHARACTERIZATION SAMPLING FREQUENCY:	None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		ATG 24 SAMPLING REQUIRED:	No
		ATG 24 SAMPLING FREQUENCY:	None
		ATG 24 SAMPLING MINIMUM INTERVAL:	
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		TOXICITY TESTING REQUIRED:	Yes
		TOXICITY TESTING FREQUENCY:	Semi-annually
		TOXICITY TESTING MINIMUM INTERVAL:	180 days
		QUALITY CONTROL MONITORING REQUIRED:	No
		FREQUENCY OF SAMPLING:	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**	
MC1	Metals	Iron	X
		Magnesium	X
MC2	Fluoride	Fluoride	X

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

SCHEDULE B: The BOWMANVILLE FOUNDRY CO. LTD. - BOWMANVILLE

		NAME OF EFFLUENT STREAM:	Furnace Cooling System	
		EFFLUENT STREAM TYPE:	Cooling Water	
		CHARACTERIZATION SAMPLING REQUIRED:	No	
		CHARACTERIZATION SAMPLING FREQUENCY: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	
		ATG 24 SAMPLING REQUIRED:	No	
		ATG 24 SAMPLING FREQUENCY: ATG 24 SAMPLING MINIMUM INTERVAL:	None	
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	
		OPEN CHARACTERIZATION SAMPLING FREQUENCY: OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	
		TOXICITY TESTING REQUIRED:	Yes	
		TOXICITY TESTING FREQUENCY: TOXICITY TESTING MINIMUM INTERVAL:	Semi-annually 180 days	
		QUALITY CONTROL MONITORING REQUIRED:	No	
		FREQUENCY OF SAMPLING:	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
3	Hydrogen Ion (pH)	Hydrogen ion (pH)	X	
5a	Organic carbon	Dissolved organic carbon (DOC)	X	
5b		Total organic carbon (TOC)		
8	Suspended solids	Total suspended solids (TSS)	X	
		Volatile suspended solids (VSS)		
9	Total metals	Aluminum	X	
		Beryllium	X	
		Cadmium	X	
		Chromium	X	
		Cobalt	X	
		Copper	X	
		Lead	X	
		Molybdenum	X	
		Nickel	X	
		Silver	X	

SCHEDULE B: The BOWMANVILLE FOUNDRY CO. LTD. - BOWMANVILLE

		NAME OF EFFLUENT STREAM:	Furnace Cooling System	
		EFFLUENT STREAM TYPE:	Cooling Water	
		CHARACTERIZATION SAMPLING REQUIRED:	No	
		CHARACTERIZATION SAMPLING FREQUENCY:	None	
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		
		ATG 24 SAMPLING REQUIRED:	No	
		ATG 24 SAMPLING FREQUENCY:	None	
		ATG 24 SAMPLING MINIMUM INTERVAL:		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None	
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		
		TOXICITY TESTING REQUIRED:	Yes	
		TOXICITY TESTING FREQUENCY:	Semi-annually	
		TOXICITY TESTING MINIMUM INTERVAL:	180 days	
		QUALITY CONTROL MONITORING REQUIRED:	No	
		FREQUENCY OF SAMPLING:	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
9	Total metals (continued)	Thallium	X	
		Vanadium	X	
		Zinc	X	
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)	X	
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead	X	
		Tri-alkyl lead	X	
14	Phenolics (4AAP)	Phenolics (4AAP)	X	
25	Solvent Extractables	Oil and grease	X	
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)		X

SCHEDULE B: The BOWMANVILLE FOUNDRY CO. LTD. - BOWMANVILLE

		NAME OF EFFLUENT STREAM:	Furnace Cooling System	
		EFFLUENT STREAM TYPE:	Cooling Water	
		CHARACTERIZATION SAMPLING REQUIRED:	No	
		CHARACTERIZATION SAMPLING FREQUENCY:	None	
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		
		ATG 24 SAMPLING REQUIRED:	No	
		ATG 24 SAMPLING FREQUENCY:	None	
		ATG 24 SAMPLING MINIMUM INTERVAL:		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None	
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		
		TOXICITY TESTING REQUIRED:	Yes	
		TOXICITY TESTING FREQUENCY:	Semi-annually	
		TOXICITY TESTING MINIMUM INTERVAL:	180 days	
		QUALITY CONTROL MONITORING REQUIRED:	No	
		FREQUENCY OF SAMPLING:	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
MC1	Metals	Iron	X	
		Magnesium	X	

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

SCHEDULE C: CANADA ALLOY CASTINGS LTD. - KITCHENER

		NAME OF EFFLUENT STREAM:	Storm Sewer
		EFFLUENT STREAM TYPE:	Cooling Water
		CHARACTERIZATION SAMPLING REQUIRED:	No
		CHARACTERIZATION SAMPLING FREQUENCY:	None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		ATG 24 SAMPLING REQUIRED:	No
		ATG 24 SAMPLING FREQUENCY:	None
		ATG 24 SAMPLING MINIMUM INTERVAL:	
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		TOXICITY TESTING REQUIRED:	Yes
		TOXICITY TESTING FREQUENCY:	Semi-annually
		TOXICITY TESTING MINIMUM INTERVAL:	180 days
		QUALITY CONTROL MONITORING REQUIRED:	No
		FREQUENCY OF SAMPLING:	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
3	Hydrogen ion (pH)	Hydrogen ion (pH)	X
5a	Organic carbon	Dissolved organic carbon (DOC)	X
5b		Total organic carbon (TOC)	
8	Suspended solids	Total suspended solids (TSS)	X
		Volatile suspended solids (VSS)	
9	Total metals	Aluminum	X
		Beryllium	X
		Cadmium	X
		Chromium	X
		Cobalt	X
		Copper	X
		Lead	X
		Molybdenum	X
		Nickel	X
		Silver	X

SCHEDULE C: CANADA ALLOY CASTINGS LTD. - KITCHENER

NAME OF EFFLUENT STREAM:			Storm Sewer
EFFLUENT STREAM TYPE:			Cooling Water
CHARACTERIZATION SAMPLING REQUIRED:			No
CHARACTERIZATION SAMPLING FREQUENCY:			None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			
ATG 24 SAMPLING REQUIRED:			No
ATG 24 SAMPLING FREQUENCY:			None
ATG 24 SAMPLING MINIMUM INTERVAL:			
OPEN CHARACTERIZATION SAMPLING REQUIRED:			No
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			None
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			
TOXICITY TESTING REQUIRED:			Yes
TOXICITY TESTING FREQUENCY:			Semi-annually
TOXICITY TESTING MINIMUM INTERVAL:			180 days
QUALITY CONTROL MONITORING REQUIRED:			No
FREQUENCY OF SAMPLING:			M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
9	Total metals (continued)	Thallium	X
		Vanadium	X
		Zinc	X
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)	X
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead	X
		Tri-alkyl lead	X
14	Phenolics (4AAP)	Phenolics (4AAP)	X
25	Solvent Extractables	Oil and grease	X

SCHEDULE C: CANADA ALLOY CASTINGS LTD. - KITCHENER

		NAME OF EFFLUENT STREAM:	Storm Sewer
		EFFLUENT STREAM TYPE:	Cooling Water
		CHARACTERIZATION SAMPLING REQUIRED:	No
		CHARACTERIZATION SAMPLING FREQUENCY:	None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		ATG 24 SAMPLING REQUIRED:	No
		ATG 24 SAMPLING FREQUENCY:	None
		ATG 24 SAMPLING MINIMUM INTERVAL:	
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		TOXICITY TESTING REQUIRED:	Yes
		TOXICITY TESTING FREQUENCY:	Semi-annually
		TOXICITY TESTING MINIMUM INTERVAL:	180 days
		QUALITY CONTROL MONITORING REQUIRED:	No
		FREQUENCY OF SAMPLING:	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
MC1	Metals	Iron	X
		Magnesium	X
MC2	Fluoride	Fluoride	X

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

SCHEDULE D: CANADA PIPE COMPANY LTD. - HAMILTON

		NAME OF EFFLUENT STREAM:	Cupola Scrubber Sump Pit			Cement Lining Sump Pit		Main Floor Drain Sump Pit		Accubar	
		EFFLUENT STREAM TYPE:	Combined			Cooling Water		Cooling Water		Cooling Water	
		CHARACTERIZATION SAMPLING REQUIRED:	[✓ Yes]			No		No		No	
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly			None		None		None	
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days								
		ATG 24 SAMPLING REQUIRED:	No			No		No		No	
		ATG 24 SAMPLING FREQUENCY:	None			None		None		None	
		ATG 24 SAMPLING MINIMUM INTERVAL:									
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	[✓ Yes]			No		No		No	
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly			None		None		None	
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days								
		TOXICITY TESTING REQUIRED:	Yes			No		No		No	
		TOXICITY TESTING FREQUENCY:	Quarterly			None		None		None	
		TOXICITY TESTING MINIMUM INTERVAL:	60 days								
		QUALITY CONTROL MONITORING REQUIRED:	Yes			No		No		No	
		FREQUENCY OF SAMPLING:	W	M	Q	M	Q	M	Q	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
3	Hydrogen Ion (pH)	Hydrogen ion (pH)	X			X		X		X	
5a	Organic carbon	Dissolved organic carbon (DOC)		X		X		X		X	
5b		Total organic carbon (TOC)									
8	Suspended solids	Total suspended solids (TSS)	X			X		X		X	
		Volatile suspended solids (VSS)									
9	Total metals	Aluminum		X		X		X		X	
		Beryllium		X		X		X		X	
		Cadmium		X		X		X		X	
		Chromium		X		X		X		X	
		Cobalt		X		X		X		X	
		Copper		X		X		X		X	
		Lead		X		X		X		X	
		Molybdenum		X		X		X		X	
		Nickel		X		X		X		X	

SCHEDULE D: CANADA PIPE COMPANY LTD. - HAMILTON

		NAME OF EFFLUENT STREAM:	Cupola Scrubber Sump Pit			Cement Lining Sump Pit		Main Floor Drain Sump Pit		Accubar	
		EFFLUENT STREAM TYPE:	Combined			Cooling Water		Cooling Water		Cooling Water	
		CHARACTERIZATION SAMPLING REQUIRED:	Yes			No		No		No	
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly			None		None		None	
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days								
		ATG 24 SAMPLING REQUIRED:	No			No		No		No	
		ATG 24 SAMPLING FREQUENCY:	None			None		None		None	
		ATG 24 SAMPLING MINIMUM INTERVAL:									
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes			No		No		No	
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly			None		None		None	
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days								
		TOXICITY TESTING REQUIRED:	Yes			No		No		No	
		TOXICITY TESTING FREQUENCY:	Quarterly			None		None		None	
		TOXICITY TESTING MINIMUM INTERVAL:	60 days								
		QUALITY CONTROL MONITORING REQUIRED:	Yes			No		No		No	
		FREQUENCY OF SAMPLING:	W	M	Q	M	Q	M	Q	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
9	Total metals (continued)	Silver		X		X		X		X	
		Thallium		X		X		X		X	
		Vanadium		X		X		X		X	
		Zinc		X		X		X		X	
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)		X		X		X		X	
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead		X		X		X		X	
		Tri-alkyl lead		X		X		X		X	
14	Phenolics (4AAP)	Phenolics (4AAP)	X			X		X			
25	Solvent Extractables	Oil and grease	X			X		X		X	
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)					X		X		

SCHEDULE D: CANADA PIPE COMPANY LTD. - HAMILTON

NAME OF EFFLUENT STREAM:			Cupola Scrubber Sump Pit			Cement Lining Sump Pit		Main Floor Drain Sump Pit		Accubar	
EFFLUENT STREAM TYPE:			Combined			Cooling Water		Cooling Water		Cooling Water	
CHARACTERIZATION SAMPLING REQUIRED:			Yes			No		No		No	
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly			None		None		None	
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days								
ATG 24 SAMPLING REQUIRED:			No			No		No		No	
ATG 24 SAMPLING FREQUENCY:			None			None		None		None	
ATG 24 SAMPLING MINIMUM INTERVAL:											
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes			No		No		No	
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly			None		None		None	
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days								
TOXICITY TESTING REQUIRED:			Yes			No		No		No	
TOXICITY TESTING FREQUENCY:			Quarterly			None		None		None	
TOXICITY TESTING MINIMUM INTERVAL:			60 days								
QUALITY CONTROL MONITORING REQUIRED:			Yes			No		No		No	
FREQUENCY OF SAMPLING:			W	M	Q	M	Q	M	Q	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
MC1	Metals	Iron		X		X		X		X	
		Magnesium		X		X		X		X	
MC2	Fluoride	Fluoride		X							

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

SCHEDULE E: CROWE FOUNDRY LTD. - CAMBRIDGE

NAME OF EFFLUENT STREAM:	Storm Sewer
EFFLUENT STREAM TYPE:	Combined
CHARACTERIZATION SAMPLING REQUIRED:	Yes
CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days
ATG 24 SAMPLING REQUIRED:	No
ATG 24 SAMPLING FREQUENCY:	None
ATG 24 SAMPLING MINIMUM INTERVAL:	
OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes
OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days
TOXICITY TESTING REQUIRED:	Yes
TOXICITY TESTING FREQUENCY:	Quarterly
TOXICITY TESTING MINIMUM INTERVAL:	60 days
QUALITY CONTROL MONITORING REQUIRED:	Yes

			FREQUENCY OF SAMPLING:		
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	W	M	Q
3	Hydrogen Ion (pH)	Hydrogen ion (pH)	X		
5a	Organic carbon	Dissolved organic carbon (DOC)		X	
5b		Total organic carbon (TOC)		X	
8	Suspended solids	Total suspended solids (TSS)	X		
		Volatile suspended solids (VSS)	X		
9	Total metals	Aluminum		X	
		Beryllium		X	
		Cadmium		X	
		Chromium		X	
		Cobalt		X	
		Copper		X	
		Lead		X	
		Molybdenum		X	
		Nickel		X	
		Silver		X	

SCHEDULE E: CROWE FOUNDRY LTD. - CAMBRIDGE

NAME OF EFFLUENT STREAM:	Storm Sewer
EFFLUENT STREAM TYPE:	Combined
CHARACTERIZATION SAMPLING REQUIRED:	Yes
CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days
ATG 24 SAMPLING REQUIRED:	No
ATG 24 SAMPLING FREQUENCY:	None
ATG 24 SAMPLING MINIMUM INTERVAL:	
OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes
OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days
TOXICITY TESTING REQUIRED:	Yes
TOXICITY TESTING FREQUENCY:	Quarterly
TOXICITY TESTING MINIMUM INTERVAL:	60 days
QUALITY CONTROL MONITORING REQUIRED:	Yes

			FREQUENCY OF SAMPLING:		
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	W	M	Q
9	Total metals (continued)	Thallium		X	
		Vanadium		X	
		Zinc		X	
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)		X	
12	Mercury	Mercury		X	
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead		X	
		Tri-alkyl lead		X	
14	Phenolics (4AAP)	Phenolics (4AAP)	X		
25	Solvent Extractables	Oil and grease	X		
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)			X

SCHEDULE E: CROWE FOUNDRY LTD. - CAMBRIDGE

NAME OF EFFLUENT STREAM:	Storm Sewer
EFFLUENT STREAM TYPE:	Combined
CHARACTERIZATION SAMPLING REQUIRED:	Yes
CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days
ATG 24 SAMPLING REQUIRED:	No
ATG 24 SAMPLING FREQUENCY:	None
ATG 24 SAMPLING MINIMUM INTERVAL:	
OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes
OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days
TOXICITY TESTING REQUIRED:	Yes
TOXICITY TESTING FREQUENCY:	Quarterly
TOXICITY TESTING MINIMUM INTERVAL:	60 days
QUALITY CONTROL MONITORING REQUIRED:	Yes

ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	FREQUENCY OF SAMPLING: W	M	Q
MC1	Metals	Iron		X	
		Magnesium		X	
MC2	Fluoride	Fluoride		X	

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

SCHEDULE F: FAHRAMET DIVISION OF INDUSMIN - ORILLIA

		NAME OF EFFLUENT STREAM:	Cooling Pond Overflow
		EFFLUENT STREAM TYPE:	Cooling Water
		CHARACTERIZATION SAMPLING REQUIRED:	Yes
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days
		ATG 24 SAMPLING REQUIRED:	No
		ATG 24 SAMPLING FREQUENCY:	None
		ATG 24 SAMPLING MINIMUM INTERVAL:	
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		TOXICITY TESTING REQUIRED:	Yes
		TOXICITY TESTING FREQUENCY:	Quarterly
		TOXICITY TESTING MINIMUM INTERVAL:	60 days
		QUALITY CONTROL MONITORING REQUIRED:	No
		FREQUENCY OF SAMPLING:	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
3	Hydrogen ion (pH)	Hydrogen ion (pH)	X
5a	Organic carbon	Dissolved organic carbon (DOC)	X
5b		Total organic carbon (TOC)	
8	Suspended solids	Total suspended solids (TSS)	X
		Volatile suspended solids (VSS)	
9	Total metals	Aluminum	X
		Beryllium	X
		Cadmium	X
		Chromium	X
		Cobalt	X
		Copper	X
		Lead	X
		Molybdenum	X
		Nickel	X
		Silver	X

SCHEDULE F: FAHRAMET DIVISION OF INDUSMIN - ORILLIA

		NAME OF EFFLUENT STREAM:	Cooling Pond Overflow
		EFFLUENT STREAM TYPE:	Cooling Water
		CHARACTERIZATION SAMPLING REQUIRED:	Yes
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days
		ATG 24 SAMPLING REQUIRED:	No
		ATG 24 SAMPLING FREQUENCY:	None
		ATG 24 SAMPLING MINIMUM INTERVAL:	
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		TOXICITY TESTING REQUIRED:	Yes
		TOXICITY TESTING FREQUENCY:	Quarterly
		TOXICITY TESTING MINIMUM INTERVAL:	60 days
		QUALITY CONTROL MONITORING REQUIRED:	No
		FREQUENCY OF SAMPLING:	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
9	Total metals (continued)	Thallium	X
		Vanadium	X
		Zinc	X
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)	X
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead	X
		Tri-alkyl lead	X
14	Phenolics (4AAP)	Phenolics (4AAP)	X
25	Solvent Extractables	Oil and grease	X
MC1	Metals	Iron	X
		Magnesium	X
MC2	Fluoride	Fluoride	X

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined			
		EFFLUENT STREAM TYPE:	Process				Combined			
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes			
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days			
		ATG 24 SAMPLING REQUIRED:	Yes				Yes			
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				Semi-annually			
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				180 days			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly			
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days			
		TOXICITY TESTING REQUIRED:	No				Yes			
		TOXICITY TESTING FREQUENCY:	None				Monthly			
		TOXICITY TESTING MINIMUM INTERVAL:					15 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**								
1	Chemical Oxygen Demand	Chemical oxygen demand (COD)		X				X		
2	Total cyanide	Total cyanide				X				X
3	Hydrogen Ion (pH)	Hydrogen ion (pH)	X				X			
4a	Nitrogen	Ammonia plus Ammonium				X				X
		Total Kjeldahl nitrogen								
4b	Nitrogen	Nitrate + Nitrite				X				X
5a	Organic carbon	Dissolved organic carbon (DOC)			X				X	
5b	Organic carbon	Total organic carbon (TOC)								
6	Total phosphorus	Total phosphorus			X				X	
7	Specific conductance	Specific conductance	X				X			

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

NAME OF EFFLUENT STREAM:	Foundry Process	Foundry Combined
EFFLUENT STREAM TYPE:	Process	Combined
CHARACTERIZATION SAMPLING REQUIRED:	Yes	Yes
CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly	Quarterly
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days	60 days
ATG 24 SAMPLING REQUIRED:	Yes	Yes
ATG 24 SAMPLING FREQUENCY:	Semi-annually	Semi-annually
ATG 24 SAMPLING MINIMUM INTERVAL:	180 days	180 days
OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes	Yes
OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly	Quarterly
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days	60 days
TOXICITY TESTING REQUIRED:	No	Yes
TOXICITY TESTING FREQUENCY:	None	Monthly
TOXICITY TESTING MINIMUM INTERVAL:		15 days
QUALITY CONTROL MONITORING REQUIRED:	Yes	No

		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
8	Suspended solids	Total suspended solids (TSS)	X				X			
		Volatile suspended solids (VSS)								
9	Total metals	Aluminum		X				X		
		Beryllium		X				X		
		Cadmium		X				X		
		Chromium		X				X		
		Cobalt		X				X		
		Copper		X				X		
		Lead		X				X		
		Molybdenum		X				X		
		Nickel		X				X		
		Silver		X				X		
		Thallium		X				X		
		Vanadium		X				X		
		Zinc		X				X		
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)		X				X		

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined			
		EFFLUENT STREAM TYPE:	Process				Combined			
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes			
		CHARACTERIZATION SAMPLING FREQUENCY: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days			
		ATG 24 SAMPLING REQUIRED:	Yes				Yes			
		ATG 24 SAMPLING FREQUENCY: ATG 24 SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING FREQUENCY: OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days			
		TOXICITY TESTING REQUIRED:	No				Yes			
		TOXICITY TESTING FREQUENCY: TOXICITY TESTING MINIMUM INTERVAL:	None				Monthly 15 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
12	Mercury	Mercury				X				X
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead				X				X
		Tri-alkyl lead				X				X
14	Phenolics (4AAP)	Phenolics (4AAP)	X				X			
15	Sulphide	Sulphide				X				X
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				X				X
		1,1,2-Trichloroethane				X				X
		1,1-Dichloroethane				X				X
		1,1-Dichloroethylene				X				X
		1,2-Dichlorobenzene				X				X
		1,2-Dichloroethane (Ethylene dichloride)				X				X
		1,2-Dichloropropane				X				X
		1,3-Dichlorobenzene				X				X
		1,4-Dichlorobenzene				X				X
		Bromoform				X				X

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined			
		EFFLUENT STREAM TYPE:	Process				Combined			
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes			
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days			
		ATG 24 SAMPLING REQUIRED:	Yes				Yes			
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				Semi-annually			
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				180 days			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly			
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days			
		TOXICITY TESTING REQUIRED:	No				Yes			
		TOXICITY TESTING FREQUENCY:	None				Monthly			
		TOXICITY TESTING MINIMUM INTERVAL:					15 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
16	Volatiles, Halogenated (continued)	Bromomethane				X				X
		Carbon tetrachloride				X				X
		Chlorobenzene				X				X
		Chloroform				X				X
		Chloromethane				X				X
		Cis-1,3-Dichloropropylene				X				X
		Dibromochloromethane				X				X
		Ethylene dibromide				X				X
		Methylene chloride				X				X
		Tetrachloroethylene (Perchloroethylene)				X				X
		Trans-1,2-Dichloroethylene				X				X
		Trans-1,3-Dichloropropylene				X				X
		Trichloroethylene				X				X
		Trichlorofluoromethane				X				X
		Vinyl chloride (Chloroethylene)				X				X

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

NAME OF EFFLUENT STREAM:			Foundry Process				Foundry Combined			
EFFLUENT STREAM TYPE:			Process				Combined			
CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes			
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days			
ATG 24 SAMPLING REQUIRED:			Yes				Yes			
ATG 24 SAMPLING FREQUENCY:			Semi-annually				Semi-annually			
ATG 24 SAMPLING MINIMUM INTERVAL:			180 days				180 days			
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes			
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly			
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days			
TOXICITY TESTING REQUIRED:			No				Yes			
TOXICITY TESTING FREQUENCY:			None				Monthly			
TOXICITY TESTING MINIMUM INTERVAL:							15 days			
QUALITY CONTROL MONITORING REQUIRED:			Yes				No			
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
17	Volatiles, Non-Halogenated	Benzene				X				X
		Styrene				X				X
		Toluene				X				X
		o-Xylene				X				X
		m-Xylene and p-Xylene				X				X
18	Volatiles, Water Soluble	Acrolein				X				X
		Acrylonitrile				X				X
19	Extractables, Base Neutral	Acenaphthene				X				X
		5-nitro Acenaphthene				X				X
		Acenaphthylene				X				X
		Anthracene				X				X
		Benz(a)anthracene				X				X
		Benzo(a)pyrene				X				X
		Benzo(b)fluoranthene				X				X
		Benzo(g,h,i)perylene				X				X
		Benzo(k)fluoranthene				X				X
		Biphenyl (NOTE 3)				X				X

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined			
		EFFLUENT STREAM TYPE:	Process				Combined			
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes			
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days			
		ATG 24 SAMPLING REQUIRED:	Yes				Yes			
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				Semi-annually			
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				180 days			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly			
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days			
		TOXICITY TESTING REQUIRED:	No				Yes			
		TOXICITY TESTING FREQUENCY:	None				Monthly			
		TOXICITY TESTING MINIMUM INTERVAL:					15 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
19	Extractables, Base Neutral (continued)	Camphene				X				X
		1-Chloronaphthalene				X				X
		2-Chloronaphthalene				X				X
		Chrysene				X				X
		Dibenz(a,h)anthracene				X				X
		Fluoranthene				X				X
		Fluorene				X				X
		Indeno(1,2,3-cd)pyrene				X				X
		Indole				X				X
		1-Methylnaphthalene				X				X
		2-Methylnaphthalene				X				X
		Naphthalene			X					X
		Perylene				X				X
		Phenanthrene			X					X
		Pyrene				X				X
		Benzylbutylphthalate				X				X
		Bis(2-Ethylhexyl)phthalate				X				X
		Di-n-butylphthalate				X				X
		4-Bromophenyl phenyl ether				X				X

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined			
		EFFLUENT STREAM TYPE:	Process				Combined			
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes			
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly			
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days			
		ATG 24 SAMPLING REQUIRED:	Yes				Yes			
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				Semi-annually			
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				180 days			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes			
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly			
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days			
		TOXICITY TESTING REQUIRED:	No				Yes			
		TOXICITY TESTING FREQUENCY:	None				Monthly			
		TOXICITY TESTING MINIMUM INTERVAL:					15 days			
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No			
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
19	Extractables, Base Neutral (continued)	4-Chlorophenyl phenyl ether				X				X
		Bis(2-Chloroisopropyl)ether				X				X
		Bis(2-Chloroethyl)ether				X				X
		Diphenyl ether (NOTE 4)				X				X
		2,4-Dinitrotoluene				X				X
		2,6-Dinitrotoluene				X				X
		Bis(2-Chloroethoxy)methane				X				X
		Diphenylamine				X				X
		N-Nitrosodiphenylamine				X				X
		N-Nitrosodi-n-propylamine				X				X
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol				X				X
		2,3,4,6-Tetrachlorophenol				X				X
		2,3,5,6-Tetrachlorophenol				X				X
		2,3,4-Trichlorophenol				X				X
		2,3,5-Trichlorophenol				X				X
		2,4,5-Trichlorophenol				X				X
		2,4,6-Trichlorophenol				X				X
		2,4-Dimethylphenol				X				X

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

NAME OF EFFLUENT STREAM:			Foundry Process				Foundry Combined			
EFFLUENT STREAM TYPE:			Process				Combined			
CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes			
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days			
ATG 24 SAMPLING REQUIRED:			Yes				Yes			
ATG 24 SAMPLING FREQUENCY:			Semi-annually				Semi-annually			
ATG 24 SAMPLING MINIMUM INTERVAL:			180 days				180 days			
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes			
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly			
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days			
TOXICITY TESTING REQUIRED:			No				Yes			
TOXICITY TESTING FREQUENCY:			None				Monthly			
TOXICITY TESTING MINIMUM INTERVAL:							15 days			
QUALITY CONTROL MONITORING REQUIRED:			Yes				No			
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
20	Extractables, Acid (Phenolics) (continued)	2,4-Dinitrophenol				X				X
		2,4-Dichlorophenol				X				X
		2,6-Dichlorophenol				X				X
		4,6-Dinitro-o-cresol				X				X
		2-Chlorophenol				X				X
		4-Chloro-3-methylphenol				X				X
		4-Nitrophenol				X				X
		m-Cresol				X				X
		o-Cresol				X				X
		p-Cresol				X				X
		Pentachlorophenol				X				X
		Phenol				X				X
25	Solvent Extractables	Oil and grease		X				X		
26	Fatty and Resin Acids					X				X
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)				X				X

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

NAME OF EFFLUENT STREAM:			Foundry Process				Foundry Combined			
EFFLUENT STREAM TYPE:			Process				Combined			
CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes			
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly			
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days			
ATG 24 SAMPLING REQUIRED:			Yes				Yes			
ATG 24 SAMPLING FREQUENCY:			Semi-annually				Semi-annually			
ATG 24 SAMPLING MINIMUM INTERVAL:			180 days				180 days			
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes			
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly			
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days			
TOXICITY TESTING REQUIRED:			No				Yes			
TOXICITY TESTING FREQUENCY:			None				Monthly			
TOXICITY TESTING MINIMUM INTERVAL:							15 days			
QUALITY CONTROL MONITORING REQUIRED:			Yes				No			
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED								
MC1	Metals	Iron		X				X		
		Magnesium		X				X		
MC2	Fluoride	Fluoride		X				X		

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

NOTE 3: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Detection Limit of 0.6 micrograms per litre.

NOTE 4: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Detection Limit of 0.4 micrograms per litre.

SCHEDULE H: FRANKLIN ELECTRIC OF CANADA LTD. - STRATHROY

NAME OF EFFLUENT STREAM:	Cooling Pond Overflow
EFFLUENT STREAM TYPE:	Cooling Water
CHARACTERIZATION SAMPLING REQUIRED:	Yes
CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days
ATG 24 SAMPLING REQUIRED:	No
ATG 24 SAMPLING FREQUENCY:	None
ATG 24 SAMPLING MINIMUM INTERVAL:	
OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
TOXICITY TESTING REQUIRED:	Yes
TOXICITY TESTING FREQUENCY:	Quarterly
TOXICITY TESTING MINIMUM INTERVAL:	60 days
QUALITY CONTROL MONITORING REQUIRED:	No
FREQUENCY OF SAMPLING:	M

ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
3	Hydrogen ion (pH)	Hydrogen ion (pH)	X
5a	Organic carbon	Dissolved organic carbon (DOC)	X
5b		Total organic carbon (TOC)	
8	Suspended solids	Total suspended solids (TSS)	X
		Volatile suspended solids (VSS)	
9	Total metals	Aluminum	X
		Beryllium	X
		Cadmium	X
		Chromium	X
		Cobalt	X
		Copper	X
		Lead	X
		Molybdenum	X
		Nickel	X
		Silver	X

SCHEDULE H: FRANKLIN ELECTRIC OF CANADA LTD. - STRATHROY

NAME OF EFFLUENT STREAM:			Cooling Pond Overflow
EFFLUENT STREAM TYPE:			Cooling Water
CHARACTERIZATION SAMPLING REQUIRED:			Yes
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days
ATG 24 SAMPLING REQUIRED:			No
ATG 24 SAMPLING FREQUENCY:			None
ATG 24 SAMPLING MINIMUM INTERVAL:			
OPEN CHARACTERIZATION SAMPLING REQUIRED:			No
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			None
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			
TOXICITY TESTING REQUIRED:			Yes
TOXICITY TESTING FREQUENCY:			Quarterly
TOXICITY TESTING MINIMUM INTERVAL:			60 days
QUALITY CONTROL MONITORING REQUIRED:			No
FREQUENCY OF SAMPLING:			M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
9	Total metals (continued)	Thallium	X
		Vanadium	X
		Zinc	X
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)	X
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead	X
		Tri-alkyl lead	X
25	Solvent Extractables	Oil and grease	X
MC1	Metals	Iron	X
		Magnesium	X

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

SCHEDULE I: GENERAL MOTORS OF CANADA LTD. - ST. CATHARINES

NAME OF EFFLUENT STREAM:	Foundry Process	Foundry Combined
EFFLUENT STREAM TYPE:	Process	Combined
CHARACTERIZATION SAMPLING REQUIRED:	Yes	Yes
CHARACTERIZATION SAMPLING FREQUENCY: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days	Quarterly 60 days
ATG 24 SAMPLING REQUIRED:	Yes	Yes
ATG 24 SAMPLING FREQUENCY: ATG 24 SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days	Semi-annually 180 days
OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes	Yes
OPEN CHARACTERIZATION SAMPLING FREQUENCY: OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days	Quarterly 60 days
TOXICITY TESTING REQUIRED:	No	Yes
TOXICITY TESTING FREQUENCY: TOXICITY TESTING MINIMUM INTERVAL:	None	Monthly 15 days
QUALITY CONTROL MONITORING REQUIRED:	Yes	No

		FREQUENCY OF SAMPLING:	D	TW	W	M	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
1	Chemical Oxygen Demand	Chemical oxygen demand (COD)		X				X	
2	Total cyanide	Total cyanide				X			X
3	Hydrogen ion (pH)	Hydrogen ion (pH)	X				X		
4a	Nitrogen	Ammonia plus Ammonium				X			X
		Total Kjeldahl nitrogen							
4b	Nitrogen	Nitrate + Nitrite				X			
5a	Organic carbon	Dissolved organic carbon (DOC)			X			X	
5b	Organic carbon	Total organic carbon (TOC)							
6	Total phosphorus	Total phosphorus			X			X	
7	Specific conductance	Specific conductance	X				X		

SCHEDULE I: GENERAL MOTORS OF CANADA LTD. - ST. CATHARINES

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined		
		EFFLUENT STREAM TYPE:	Process				Combined		
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes		
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly		
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days		
		ATG 24 SAMPLING REQUIRED:	Yes				Yes		
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				Semi-annually		
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				180 days		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes		
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly		
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days		
		TOXICITY TESTING REQUIRED:	No				Yes		
		TOXICITY TESTING FREQUENCY:	None				Monthly		
		TOXICITY TESTING MINIMUM INTERVAL:					15 days		
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No		
		FREQUENCY OF SAMPLING:	D	TW	W	M	TW	W	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**							
8	**Suspended solids**	Total suspended solids (TSS)	X				X		
		Volatile suspended solids (VSS)							
9	**Total metals**	Aluminum		X				X	
		Beryllium		X				X	
		Cadmium		X				X	
		Chromium		X				X	
		Cobalt		X				X	
		Copper		X				X	
		Lead		X				X	
		Molybdenum		X				X	
		Nickel		X				X	
		Silver		X				X	
		Thallium		X				X	
		Vanadium		X				X	
		Zinc		X				X	
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)		X				X	

SCHEDULE I: GENERAL MOTORS OF CANADA LTD. - ST. CATHARINES

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined		
		EFFLUENT STREAM TYPE:	Process				Combined		
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes		
		CHARACTERIZATION SAMPLING FREQUENCY: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days		
		ATG 24 SAMPLING REQUIRED:	Yes				Yes		
		ATG 24 SAMPLING FREQUENCY: ATG 24 SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes		
		OPEN CHARACTERIZATION SAMPLING FREQUENCY: OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days		
		TOXICITY TESTING REQUIRED:	No				Yes		
		TOXICITY TESTING FREQUENCY: TOXICITY TESTING MINIMUM INTERVAL:	None				Monthly 15 days		
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No		
		FREQUENCY OF SAMPLING:	D	TW	W	M	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
12	Mercury	Mercury				X			
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead				X			X
		Tri-alkyl lead				X			X
14	Phenolics (4AAP)	Phenolics (4AAP)	X				X		
15	Sulphide	Sulphide				X			
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				X			
		1,1,2-Trichloroethane				X			
		1,1-Dichloroethane				X			
		1,1-Dichloroethylene				X			
		1,2-Dichlorobenzene				X			
		1,2-Dichloroethane (Ethylene dichloride)				X			
		1,2-Dichloropropane				X			
		1,3-Dichlorobenzene				X			
		1,4-Dichlorobenzene				X			
		Bromoform				X			

SCHEDULE I: GENERAL MOTORS OF CANADA LTD. - ST. CATHARINES

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined		
		EFFLUENT STREAM TYPE:	Process				Combined		
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes		
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly		
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days		
		ATG 24 SAMPLING REQUIRED:	Yes				Yes		
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				Semi-annually		
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				180 days		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes		
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly		
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days		
		TOXICITY TESTING REQUIRED:	No				Yes		
		TOXICITY TESTING FREQUENCY:	None				Monthly		
		TOXICITY TESTING MINIMUM INTERVAL:					15 days		
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No		
		FREQUENCY OF SAMPLING:	D	TW	W	M	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
16	Volatiles, Halogenated (continued)	Bromomethane				X			
		Carbon tetrachloride				X			
		Chlorobenzene				X			
		Chloroform				X			
		Chloromethane				X			
		Cis-1,3-Dichloropropylene				X			
		Dibromochloromethane				X			
		Ethylene dibromide				X			
		Methylene chloride				X			
		Tetrachloroethylene (Perchloroethylene)				X			
		Trans-1,2-Dichloroethylene				X			
		Trans-1,3-Dichloropropylene				X			
		Trichloroethylene				X			
		Trichlorofluoromethane				X			
		Vinyl chloride (Chloroethylene)				X			

SCHEDULE I: GENERAL MOTORS OF CANADA LTD. - ST. CATHARINES

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined		
		EFFLUENT STREAM TYPE:	Process				Combined		
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes		
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly		
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days		
		ATG 24 SAMPLING REQUIRED:	Yes				Yes		
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				Semi-annually		
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				180 days		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes		
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly		
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days		
		TOXICITY TESTING REQUIRED:	No				Yes		
		TOXICITY TESTING FREQUENCY:	None				Monthly		
		TOXICITY TESTING MINIMUM INTERVAL:					15 days		
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No		
		FREQUENCY OF SAMPLING:	D	TW	W	M	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
17	Volatiles, Non-Halogenated	Benzene				X			
		Styrene				X			
		Toluene				X			
		o-Xylene				X			
		m-Xylene and p-Xylene				X			
18	Volatiles, Water Soluble	Acrolein				X			
		Acrylonitrile				X			
19	Extractables, Base Neutral	Acenaphthene				X			X
		5-nitro Acenaphthene				X			X
		Acenaphthylene				X			X
		Anthracene				X			X
		Benz(a)anthracene				X			X
		Benzo(a)pyrene				X			X
		Benzo(b)fluoranthene				X			X
		Benzo(g,h,i)perylene				X			X
		Benzo(k)fluoranthene				X			X
		Biphenyl (NOTE 3)				X			X

SCHEDULE I: GENERAL MOTORS OF CANADA LTD. - ST. CATHARINES

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined		
		EFFLUENT STREAM TYPE:	Process				Combined		
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes		
		CHARACTERIZATION SAMPLING FREQUENCY: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days		
		ATG 24 SAMPLING REQUIRED:	Yes				Yes		
		ATG 24 SAMPLING FREQUENCY: ATG 24 SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes		
		OPEN CHARACTERIZATION SAMPLING FREQUENCY: OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days		
		TOXICITY TESTING REQUIRED:	No				Yes		
		TOXICITY TESTING FREQUENCY: TOXICITY TESTING MINIMUM INTERVAL:	None				Monthly 15 days		
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No		
		FREQUENCY OF SAMPLING:	D	TW	W	M	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
19	Extractables, Base Neutral (continued)	Camphene				X			X
		1-Chloronaphthalene				X			X
		2-Chloronaphthalene				X			X
		Chrysene				X			X
		Dibenz(a,h)anthracene				X			X
		Fluoranthene				X			X
		Fluorene				X			X
		Indeno(1,2,3-cd)pyrene				X			X
		Indole				X			X
		1-Methylnaphthalene				X			X
		2-Methylnaphthalene				X			X
		Naphthalene			X				X
		Perylene				X			X
		Phenanthrene			X				X
		Pyrene				X			X
		Benzylbutylphthalate				X			X
		Bis(2-Ethylhexyl)phthalate				X			X
		Di-n-butylphthalate				X			X
		4-Bromophenyl phenyl ether				X			X

SCHEDULE I: GENERAL MOTORS OF CANADA LTD. - ST. CATHARINES

NAME OF EFFLUENT STREAM:			Foundry Process				Foundry Combined		
EFFLUENT STREAM TYPE:			Process				Combined		
CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes		
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly		
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days		
ATG 24 SAMPLING REQUIRED:			Yes				Yes		
ATG 24 SAMPLING FREQUENCY:			Semi-annually				Semi-annually		
ATG 24 SAMPLING MINIMUM INTERVAL:			180 days				180 days		
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes		
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly		
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days		
TOXICITY TESTING REQUIRED:			No				Yes		
TOXICITY TESTING FREQUENCY:			None				Monthly		
TOXICITY TESTING MINIMUM INTERVAL:							15 days		
QUALITY CONTROL MONITORING REQUIRED:			Yes				No		
FREQUENCY OF SAMPLING:			D	TW	W	M	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
19	Extractables, Base Neutral (continued)	4-Chlorophenyl phenyl ether				X			X
		Bis(2-Chloroisopropyl)ether				X			X
		Bis(2-Chloroethyl)ether				X			X
		Diphenyl ether (NOTE 4)				X			X
		2,4-Dinitrotoluene				X			X
		2,6-Dinitrotoluene				X			X
		Bis(2-Chloroethoxy)methane				X			X
		Diphenylamine				X			X
		N-Nitrosodiphenylamine				X			X
		N-Nitrosodi-n-propylamine				X			X
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol				X			X
		2,3,4,6-Tetrachlorophenol				X			X
		2,3,5,6-Tetrachlorophenol				X			X
		2,3,4-Trichlorophenol				X			X
		2,3,5-Trichlorophenol				X			X
		2,4,5-Trichlorophenol				X			X
		2,4,6-Trichlorophenol				X			X
		2,4-Dimethylphenol				X			X

SCHEDULE I: GENERAL MOTORS OF CANADA LTD. - ST. CATHARINES

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined		
		EFFLUENT STREAM TYPE:	Process				Combined		
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes		
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly		
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days		
		ATG 24 SAMPLING REQUIRED:	Yes				Yes		
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				Semi-annually		
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				180 days		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes		
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly		
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days		
		TOXICITY TESTING REQUIRED:	No				Yes		
		TOXICITY TESTING FREQUENCY:	None				Monthly		
		TOXICITY TESTING MINIMUM INTERVAL:					15 days		
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No		
		FREQUENCY OF SAMPLING:	D	TW	W	M	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
20	Extractables, Acid (Phenolics) (continued)	2,4-Dinitrophenol				X			X
		2,4-Dichlorophenol				X			X
		2,6-Dichlorophenol				X			X
		4,6-Dinitro-o-cresol				X			X
		2-Chlorophenol				X			X
		4-Chloro-3-methylphenol				X			X
		4-Nitrophenol				X			X
		m-Cresol				X			X
		o-Cresol				X			X
		p-Cresol				X			X
		Pentachlorophenol				X			X
		Phenol				X			X
25	Solvent Extractables	Oil and grease		X			X		
26	Fatty and Resin Acids					X			
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)				X			X

SCHEDULE I: GENERAL MOTORS OF CANADA LTD. - ST. CATHARINES

NAME OF EFFLUENT STREAM:			Foundry Process				Foundry Combined		
EFFLUENT STREAM TYPE:			Process				Combined		
CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes		
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly		
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days		
ATG 24 SAMPLING REQUIRED:			Yes				Yes		
ATG 24 SAMPLING FREQUENCY:			Semi-annually				Semi-annually		
ATG 24 SAMPLING MINIMUM INTERVAL:			180 days				180 days		
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes		
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly		
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days		
TOXICITY TESTING REQUIRED:			No				Yes		
TOXICITY TESTING FREQUENCY:			None				Monthly		
TOXICITY TESTING MINIMUM INTERVAL:							15 days		
QUALITY CONTROL MONITORING REQUIRED:			Yes				No		
FREQUENCY OF SAMPLING:			D	TW	W	M	TW	W	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED							
MC1	Metals	Iron		X				X	
		Magnesium		X				X	
MC2	Fluoride	Fluoride				X			

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

NOTE 3: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Detection Limit of 0.6 micrograms per litre.

NOTE 4: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Detection Limit of 0.4 micrograms per litre.

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

		NAME OF EFFLUENT STREAM:	East Process Sewer				West Process Sewer
		EFFLUENT STREAM TYPE:	Process				Storm
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				
		ATG 24 SAMPLING REQUIRED:	Yes				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				
		TOXICITY TESTING REQUIRED:	Yes				No
		TOXICITY TESTING FREQUENCY:	Monthly				None
		TOXICITY TESTING MINIMUM INTERVAL:	15 days				
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
1	Chemical Oxygen Demand	Chemical oxygen demand (COD)		X			X
2	Total cyanide	Total cyanide				X	X
3	Hydrogen ion (pH)	Hydrogen ion (pH)	X				
4a	Nitrogen	Ammonia plus Ammonium		X			X
		Total Kjeldahl nitrogen					
4b	Nitrogen	Nitrate + Nitrite			X		X
5a	Organic carbon	Dissolved organic carbon (DOC)			X		X
5b	Organic carbon	Total organic carbon (TOC)					
6	Total phosphorus	Total phosphorus			X		X
7	Specific conductance	Specific conductance	X				

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

		NAME OF EFFLUENT STREAM:	East Process Sewer				West Process Sewer
		EFFLUENT STREAM TYPE:	Process				Storm
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				
		ATG 24 SAMPLING REQUIRED:	Yes				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				
		TOXICITY TESTING REQUIRED:	Yes				No
		TOXICITY TESTING FREQUENCY:	Monthly				None
		TOXICITY TESTING MINIMUM INTERVAL:	15 days				
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
8	Suspended solids	Total suspended solids (TSS)	X				X
		Volatile suspended solids (VSS)					
9	Total metals	Aluminum		X			X
		Beryllium		X			X
		Cadmium		X			X
		Chromium		X			X
		Cobalt		X			X
		Copper		X			X
		Lead		X			X
		Molybdenum		X			X
		Nickel		X			X
		Silver		X			X
		Thallium		X			X
		Vanadium		X			X
		Zinc		X			X
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)		X			X

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

NAME OF EFFLUENT STREAM:			East Process Sewer				West Process Sewer
EFFLUENT STREAM TYPE:			Process				Storm
CHARACTERIZATION SAMPLING REQUIRED:			Yes				No
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				
ATG 24 SAMPLING REQUIRED:			Yes				No
ATG 24 SAMPLING FREQUENCY:			Semi-annually				None
ATG 24 SAMPLING MINIMUM INTERVAL:			180 days				
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes				No
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				None
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				
TOXICITY TESTING REQUIRED:			Yes				No
TOXICITY TESTING FREQUENCY:			Monthly				None
TOXICITY TESTING MINIMUM INTERVAL:			15 days				
QUALITY CONTROL MONITORING REQUIRED:			Yes				No
FREQUENCY OF SAMPLING:			D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
12	Mercury	Mercury				X	
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead				X	X
		Tri-alkyl lead				X	X
14	Phenolics (4AAP)	Phenolics (4AAP)	X				X
15	Sulphide	Sulphide				X	X
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				X	
		1,1,2-Trichloroethane				X	
		1,1-Dichloroethane				X	
		1,1-Dichloroethylene				X	
		1,2-Dichlorobenzene				X	
		1,2-Dichloroethane (Ethylene dichloride)				X	
		1,2-Dichloropropane				X	
		1,3-Dichlorobenzene				X	
		1,4-Dichlorobenzene				X	
		Bromoform				X	

		NAME OF EFFLUENT STREAM:	East Process Sewer				West Process Sewer
		EFFLUENT STREAM TYPE:	Process				Storm
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None
		ATG 24 SAMPLING REQUIRED:	Yes				No
		ATG 24 SAMPLING FREQUENCY: ATG 24 SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY: OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None
		TOXICITY TESTING REQUIRED:	Yes				No
		TOXICITY TESTING FREQUENCY: TOXICITY TESTING MINIMUM INTERVAL:	Monthly 15 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
16	Volatiles, Halogenated (continued)	Bromomethane				X	
		Carbon tetrachloride				X	
		Chlorobenzene				X	
		Chloroform				X	
		Chloromethane				X	
		Cis-1,3-Dichloropropylene				X	
		Dibromochloromethane				X	
		Ethylene dibromide				X	
		Methylene chloride				X	
		Tetrachloroethylene (Perchloroethylene)				X	
		Trans-1,2-Dichloroethylene				X	
		Trans-1,3-Dichloropropylene				X	
		Trichloroethylene				X	
		Trichlorofluoromethane				X	
		Vinyl chloride (Chloroethylene)				X	

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

		NAME OF EFFLUENT STREAM:	East Process Sewer				West Process Sewer
		EFFLUENT STREAM TYPE:	Process				Storm
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				
		ATG 24 SAMPLING REQUIRED:	Yes				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				
		TOXICITY TESTING REQUIRED:	Yes				No
		TOXICITY TESTING FREQUENCY:	Monthly				None
		TOXICITY TESTING MINIMUM INTERVAL:	15 days				
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
17	Volatiles, Non-Halogenated	Benzene				X	
		Styrene				X	
		Toluene				X	
		o-Xylene				X	
		m-Xylene and p-Xylene				X	
19	Extractables, Base Neutral	Acenaphthene				X	
		5-nitro Acenaphthene				X	
		Acenaphthylene				X	
		Anthracene				X	
		Benz(a)anthracene				X	
		Benzo(a)pyrene				X	
		Benzo(b)fluoranthene				X	
		Benzo(g,h,i)perylene				X	
		Benzo(k)fluoranthene				X	
		Biphenyl (NOTE 3)				X	
		Camphene				X	
		1-Chloronaphthalene				X	
		2-Chloronaphthalene				X	

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

NAME OF EFFLUENT STREAM:			East Process Sewer				West Process Sewer
EFFLUENT STREAM TYPE:			Process				Storm
CHARACTERIZATION SAMPLING REQUIRED:			Yes				No
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				
ATG 24 SAMPLING REQUIRED:			Yes				No
ATG 24 SAMPLING FREQUENCY:			Semi-annually				None
ATG 24 SAMPLING MINIMUM INTERVAL:			180 days				
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes				No
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				None
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				
TOXICITY TESTING REQUIRED:			Yes				No
TOXICITY TESTING FREQUENCY:			Monthly				None
TOXICITY TESTING MINIMUM INTERVAL:			15 days				
QUALITY CONTROL MONITORING REQUIRED:			Yes				No
FREQUENCY OF SAMPLING:			D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
19	Extractables, Base Neutral (continued)	Chrysene				X	
		Dibenz(a,h)anthracene				X	
		Fluoranthene				X	
		Fluorene				X	
		Indeno(1,2,3-cd)pyrene				X	
		Indole				X	
		1-Methylnaphthalene				X	
		2-Methylnaphthalene				X	
		Naphthalene				X	
		Perylene				X	
		Phenanthrene				X	
		Pyrene				X	
		Benzylbutylphthalate				X	
		Bis(2-Ethylhexyl)phthalate				X	
		Di-n-butylphthalate				X	
		4-Bromophenyl phenyl ether				X	
		4-Chlorophenyl phenyl ether				X	
		Bis(2-Chloroisopropyl)ether				X	
		Bis(2-Chloroethyl)ether				X	

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

		NAME OF EFFLUENT STREAM:	East Process Sewer				West Process Sewer
		EFFLUENT STREAM TYPE:	Process				Storm
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				
		ATG 24 SAMPLING REQUIRED:	Yes				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				
		TOXICITY TESTING REQUIRED:	Yes				No
		TOXICITY TESTING FREQUENCY:	Monthly				None
		TOXICITY TESTING MINIMUM INTERVAL:	15 days				
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
19	Extractables, Base Neutral (continued)	Diphenyl ether (NOTE 4)				X	
		2,4-Dinitrotoluene				X	
		2,6-Dinitrotoluene				X	
		Bis(2-Chloroethoxy)methane				X	
		Diphenylamine				X	
		N-Nitrosodiphenylamine				X	
		N-Nitrosodi-n-propylamine				X	
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol				X	
		2,3,4,6-Tetrachlorophenol				X	
		2,3,5,6-Tetrachlorophenol				X	
		2,3,4-Trichlorophenol				X	
		2,3,5-Trichlorophenol				X	
		2,4,5-Trichlorophenol				X	
		2,4,6-Trichlorophenol				X	
		2,4-Dimethylphenol				X	
		2,4-Dinitrophenol				X	
		2,4-Dichlorophenol				X	
		2,6-Dichlorophenol				X	

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

		NAME OF EFFLUENT STREAM:	East Process Sewer				West Process Sewer
		EFFLUENT STREAM TYPE:	Process				Storm
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				
		ATG 24 SAMPLING REQUIRED:	Yes				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				
		TOXICITY TESTING REQUIRED:	Yes				No
		TOXICITY TESTING FREQUENCY:	Monthly				None
		TOXICITY TESTING MINIMUM INTERVAL:	15 days				
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
20	Extractables, Acid (Phenolics) (continued)	4,6-Dinitro-o-cresol				X	
		2-Chlorophenol				X	
		4-Chloro-3-methylphenol				X	
		4-Nitrophenol				X	
		m-Cresol				X	
		o-Cresol				X	
		p-Cresol				X	
		Pentachlorophenol				X	
		Phenol				X	
25	Solvent Extractables	Oil and grease		X			X
26	Fatty and Resin Acids					X	
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)				X	

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

		NAME OF EFFLUENT STREAM:	East Process Sewer				West Process Sewer
		EFFLUENT STREAM TYPE:	Process				Storm
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				
		ATG 24 SAMPLING REQUIRED:	Yes				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				
		TOXICITY TESTING REQUIRED:	Yes				No
		TOXICITY TESTING FREQUENCY:	Monthly				None
		TOXICITY TESTING MINIMUM INTERVAL:	15 days				
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED					
MC1	Metals	Iron		X			X
		Magnesium		X			X
MC2	Fluoride	Fluoride		X			X

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

NOTE 3: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Detection Limit of 0.6 micrograms per litre.

NOTE 4: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Detection Limit of 0.4 micrograms per litre.

SCHEDULE K: MAGALLOY LTD. - STRATFORD

NAME OF EFFLUENT STREAM:	Cooling Tank	
EFFLUENT STREAM TYPE:	Cooling Water	
CHARACTERIZATION SAMPLING REQUIRED:	No	
CHARACTERIZATION SAMPLING FREQUENCY:	None	
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		
ATG 24 SAMPLING REQUIRED:	No	
ATG 24 SAMPLING FREQUENCY:	None	
ATG 24 SAMPLING MINIMUM INTERVAL:		
OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	
OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None	
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		
TOXICITY TESTING REQUIRED:	Yes	
TOXICITY TESTING FREQUENCY:	Semi-annually	
TOXICITY TESTING MINIMUM INTERVAL:	180 days	
QUALITY CONTROL MONITORING REQUIRED:	No	
FREQUENCY OF SAMPLING:	M	Q

ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
3	Hydrogen ion (pH)	Hydrogen ion (pH)	X	
5a	Organic carbon	Dissolved organic carbon (DOC)	X	
5b		Total organic carbon (TOC)		
8	Suspended solids	Total suspended solids (TSS)	X	
		Volatile suspended solids (VSS)		
9	Total metals	Aluminum	X	
		Beryllium	X	
		Cadmium	X	
		Chromium	X	
		Coball	X	
		Copper	X	
		Lead	X	
		Molybdenum	X	
		Nickel	X	
		Silver	X	

SCHEDULE K: MAGALLOY LTD. - STRATFORD

		NAME OF EFFLUENT STREAM:	Cooling Tank	
		EFFLUENT STREAM TYPE:	Cooling Water	
		CHARACTERIZATION SAMPLING REQUIRED:	No	
		CHARACTERIZATION SAMPLING FREQUENCY:	None	
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		
		ATG 24 SAMPLING REQUIRED:	No	
		ATG 24 SAMPLING FREQUENCY:	None	
		ATG 24 SAMPLING MINIMUM INTERVAL:		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None	
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		
		TOXICITY TESTING REQUIRED:	Yes	
		TOXICITY TESTING FREQUENCY:	Semi-annually	
		TOXICITY TESTING MINIMUM INTERVAL:	180 days	
		QUALITY CONTROL MONITORING REQUIRED:	No	
		FREQUENCY OF SAMPLING:	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
9	Total metals (continued)	Thallium	X	
		Vanadium	X	
		Zinc	X	
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)	X	
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead	X	
		Tri-alkyl lead	X	
14	Phenolics (4AAP)	Phenolics (4AAP)	X	
25	Solvent Extractables	Oil and grease	X	
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)		X

SCHEDULE K: MAGALLOY LTD. - STRATFORD

NAME OF EFFLUENT STREAM:			Cooling Tank	
EFFLUENT STREAM TYPE:			Cooling Water	
CHARACTERIZATION SAMPLING REQUIRED:			No	
CHARACTERIZATION SAMPLING FREQUENCY:			None	
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:				
ATG 24 SAMPLING REQUIRED:			No	
ATG 24 SAMPLING FREQUENCY:			None	
ATG 24 SAMPLING MINIMUM INTERVAL:				
OPEN CHARACTERIZATION SAMPLING REQUIRED:			No	
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			None	
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:				
TOXICITY TESTING REQUIRED:			Yes	
TOXICITY TESTING FREQUENCY:			Semi-annually	
TOXICITY TESTING MINIMUM INTERVAL:			180 days	
QUALITY CONTROL MONITORING REQUIRED:			No	
FREQUENCY OF SAMPLING:			M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
MC1	Metals	Iron	X	
		Magnesium	X	

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

SCHEDULE L: RICHMOND DIE CASTING LTD. - CORNWALL

NAME OF EFFLUENT STREAM:			12 Inch Outlet Sewer
EFFLUENT STREAM TYPE:			Cooling Water
CHARACTERIZATION SAMPLING REQUIRED:			No
CHARACTERIZATION SAMPLING FREQUENCY:			None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			
ATG 24 SAMPLING REQUIRED:			No
ATG 24 SAMPLING FREQUENCY:			None
ATG 24 SAMPLING MINIMUM INTERVAL:			
OPEN CHARACTERIZATION SAMPLING REQUIRED:			No
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			None
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			
TOXICITY TESTING REQUIRED:			Yes
TOXICITY TESTING FREQUENCY:			Semi-annually
TOXICITY TESTING MINIMUM INTERVAL:			180 days
QUALITY CONTROL MONITORING REQUIRED:			No
FREQUENCY OF SAMPLING:			M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
3	Hydrogen ion (pH)	Hydrogen ion (pH)	X
5a	Organic carbon	Dissolved organic carbon (DOC)	X
5b		Total organic carbon (TOC)	
8	Suspended solids	Total suspended solids (TSS)	X
		Volatile suspended solids (VSS)	
9	Total metals	Aluminum	X
		Beryllium	X
		Cadmium	X
		Chromium	X
		Cobalt	X
		Copper	X
		Lead	X
		Molybdenum	X
		Nickel	X
		Silver	X

SCHEDULE L: RICHMOND DIE CASTING LTD. - CORNWALL

NAME OF EFFLUENT STREAM:	12 Inch Outlet Sewer
EFFLUENT STREAM TYPE:	Cooling Water
CHARACTERIZATION SAMPLING REQUIRED:	No
CHARACTERIZATION SAMPLING FREQUENCY:	None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
ATG 24 SAMPLING REQUIRED:	No
ATG 24 SAMPLING FREQUENCY:	None
ATG 24 SAMPLING MINIMUM INTERVAL:	
OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
TOXICITY TESTING REQUIRED:	Yes
TOXICITY TESTING FREQUENCY:	Semi-annually
TOXICITY TESTING MINIMUM INTERVAL:	180 days
QUALITY CONTROL MONITORING REQUIRED:	No
FREQUENCY OF SAMPLING:	M

ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
9	Total metals (continued)	Thallium	X
		Vanadium	X
		Zinc	X
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)	X
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead	X
		Tri-alkyl lead	X
25	Solvent Extractables	Oil and grease	X
MC1	Metals	Iron	X
		Magnesium	X

SCHEDULE L: RICHMOND DIE CASTING LTD. - CORNWALL

		NAME OF EFFLUENT STREAM:	12 Inch Outlet Sewer
		EFFLUENT STREAM TYPE:	Cooling Water
		CHARACTERIZATION SAMPLING REQUIRED:	No
		CHARACTERIZATION SAMPLING FREQUENCY:	None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		ATG 24 SAMPLING REQUIRED:	No
		ATG 24 SAMPLING FREQUENCY:	None
		ATG 24 SAMPLING MINIMUM INTERVAL:	
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	
		TOXICITY TESTING REQUIRED:	Yes
		TOXICITY TESTING FREQUENCY:	Semi-annually
		TOXICITY TESTING MINIMUM INTERVAL:	180 days
		QUALITY CONTROL MONITORING REQUIRED:	No
		FREQUENCY OF SAMPLING:	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED	
MC2	Fluoride	Fluoride	X

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

SCHEDULE M: WESTERN FOUNDRY COMPANY LTD. - WINGHAM

		NAME OF EFFLUENT STREAM:	Furnace Cooling Water Sewer		Core Machine/Compressor Cooling Water Sewer	
		EFFLUENT STREAM TYPE:	Cooling Water		Cooling Water	
		CHARACTERIZATION SAMPLING REQUIRED:	No		No	
		CHARACTERIZATION SAMPLING FREQUENCY:	None		None	
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:				
		ATG 24 SAMPLING REQUIRED:	No		No	
		ATG 24 SAMPLING FREQUENCY:	None		None	
		ATG 24 SAMPLING MINIMUM INTERVAL:				
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No		No	
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None		None	
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:				
		TOXICITY TESTING REQUIRED:	Yes		Yes	
		TOXICITY TESTING FREQUENCY:	Semi-annually		Semi-annually	
		TOXICITY TESTING MINIMUM INTERVAL:	180 days		180 days	
		QUALITY CONTROL MONITORING REQUIRED:	No		No	
		FREQUENCY OF SAMPLING:	M	Q	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
3	Hydrogen Ion (pH)	Hydrogen ion (pH)	X		X	
5a	Organic carbon	Dissolved organic carbon (DOC)	X		X	
5b		Total organic carbon (TOC)				
8	Suspended solids	Total suspended solids (TSS)	X		X	
		Volatile suspended solids (VSS)				
9	Total metals	Aluminum	X		X	
		Beryllium	X		X	
		Cadmium	X		X	
		Chromium	X		X	
		Cobalt	X		X	
		Copper	X		X	
		Lead	X		X	
		Molybdenum	X		X	
		Nickel	X		X	

SCHEDULE M: WESTERN FOUNDRY COMPANY LTD. - WINGHAM

		NAME OF EFFLUENT STREAM:	Furnace Cooling Water Sewer		Core Machine/Compressor Cooling Water Sewer	
		EFFLUENT STREAM TYPE:	Cooling Water		Cooling Water	
		CHARACTERIZATION SAMPLING REQUIRED:	No		No	
		CHARACTERIZATION SAMPLING FREQUENCY:	None		None	
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:				
		ATG 24 SAMPLING REQUIRED:	No		No	
		ATG 24 SAMPLING FREQUENCY:	None		None	
		ATG 24 SAMPLING MINIMUM INTERVAL:				
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No		No	
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None		None	
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:				
		TOXICITY TESTING REQUIRED:	Yes		Yes	
		TOXICITY TESTING FREQUENCY:	Semi-annually		Semi-annually	
		TOXICITY TESTING MINIMUM INTERVAL:	180 days		180 days	
		QUALITY CONTROL MONITORING REQUIRED:	No		No	
		FREQUENCY OF SAMPLING:	M	Q	M	Q
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**				
9	Total metals (continued)	Silver	X		X	
		Thallium	X		X	
		Vanadium	X		X	
		Zinc	X		X	
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)	X		X	
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead	X		X	
		Tri-alkyl lead	X		X	
14	Phenolics (4AAP)	Phenolics (4AAP)	X		X	
25	Solvent Extractables	Oil and grease	X		X	
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)		X		X

SCHEDULE M: WESTERN FOUNDRY COMPANY LTD. - WINGHAM

NAME OF EFFLUENT STREAM:			Furnace Cooling Water Sewer		Core Machine/Compressor Cooling Water Sewer	
EFFLUENT STREAM TYPE:			Cooling Water		Cooling Water	
CHARACTERIZATION SAMPLING REQUIRED:			No		No	
CHARACTERIZATION SAMPLING FREQUENCY:			None		None	
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:						
ATG 24 SAMPLING REQUIRED:			No		No	
ATG 24 SAMPLING FREQUENCY:			None		None	
ATG 24 SAMPLING MINIMUM INTERVAL:						
OPEN CHARACTERIZATION SAMPLING REQUIRED:			No		No	
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			None		None	
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:						
TOXICITY TESTING REQUIRED:			Yes		Yes	
TOXICITY TESTING FREQUENCY:			Semi-annually		Semi-annually	
TOXICITY TESTING MINIMUM INTERVAL:			180 days		180 days	
QUALITY CONTROL MONITORING REQUIRED:			No		No	
FREQUENCY OF SAMPLING:			M	Q	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED				
MC1	Metals	Iron	X		X	
		Magnesium	X		X	
MC2	Fluoride	Fluoride	X		X	

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

ONTARIO REGULATION 232/90

REGULATION TO AMEND ONTARIO REGULATION 648/89 MADE UNDER THE ENVIRONMENTAL PROTECTION ACT

1. The Table in subsection 3(2) of Ontario Regulation 648/89 is amended by striking out item 11.

2. Subsection 4(1) of the Regulation is amended by striking out "by the 8th day of January, 1990" in the first and second lines and by adding the following paragraph:

> 5. An emergency overflow effluent sampling point on each emergency overflow effluent stream.

3. The Regulation is amended by adding the following section:

Emergency Overflow Effluent Monitoring

11a.-(1) During each emergency overflow, each direct discharger shall collect a set of samples sufficient to perform the analyses required by subsection (3) from each affected emergency overflow effluent sampling point of that discharger.

(2) Subsection (1) does not apply if the collection of samples would result in danger to health or safety.

(3) Each direct discharger shall analyze each set of samples collected under subsection (1) for the parameters indicated in the column marked "event oriented", for the stream from which the set was collected, of the site-specific monitoring schedule for that discharger's plant.

4. Section 14 of the Regulation is amended by adding the following subsection:

(4a) Each direct discharger shall measure or estimate the duration and approximate volume of each discharge of emergency overflow effluent in respect of which the discharger has taken a sample under this Regulation and shall record the measured or estimated data.

5. Subsection 16(15) of the Regulation is revoked and the following substituted:

(15) Each direct discharger shall report to the Director the flow measurement information required to be recorded under subsections 14(1) to (4) in respect of each process effluent stream, combined effluent stream, cooling water effluent stream and storm water effluent stream of that discharger, together with the date on which each flow was measured or estimated.

(15a) Each direct discharger shall report to the Director the information required to be recorded under subsection 14(4a), together with the date of each discharge measured or estimated under subsection 14(4a).

6. Schedules C, D, G, J and K to the Regulation are revoked and the following substituted:

SCHEDULE C: CANADA ALLOY CASTINGS LTD. - KITCHENER

		NAME OF EFFLUENT STREAM:	Storm Sewer	
		EFFLUENT STREAM TYPE:	Cooling Water	
		CHARACTERIZATION SAMPLING REQUIRED:	No	
		CHARACTERIZATION SAMPLING FREQUENCY:	None	
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		
		ATG 24 SAMPLING REQUIRED:	No	
		ATG 24 SAMPLING FREQUENCY:	None	
		ATG 24 SAMPLING MINIMUM INTERVAL:		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None	
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		
		TOXICITY TESTING REQUIRED:	Yes	
		TOXICITY TESTING FREQUENCY:	Semi-annually	
		TOXICITY TESTING MINIMUM INTERVAL:	180 days	
		QUALITY CONTROL MONITORING REQUIRED:	No	
		FREQUENCY OF SAMPLING:	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
3	Hydrogen Ion (pH)	Hydrogen Ion (pH)	X	
5a	Organic carbon	Dissolved organic carbon (DOC)	X	
5b		Total organic carbon (TOC)		
8	Suspended solids	Total suspended solids (TSS)	X	
		Volatile suspended solids (VSS)		
9	Total metals	Aluminum	X	
		Beryllium	X	
		Cadmium	X	
		Chromium	X	
		Cobalt	X	
		Copper	X	
		Lead	X	
		Molybdenum	X	
		Nickel	X	
		Silver	X	

SCHEDULE C: CANADA ALLOY CASTINGS LTD. - KITCHENER

		NAME OF EFFLUENT STREAM:	Storm Sewer	
		EFFLUENT STREAM TYPE:	Cooling Water	
		CHARACTERIZATION SAMPLING REQUIRED:	No	
		CHARACTERIZATION SAMPLING FREQUENCY: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	
		ATG 24 SAMPLING REQUIRED:	No	
		ATG 24 SAMPLING FREQUENCY: ATG 24 SAMPLING MINIMUM INTERVAL:	None	
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	
		OPEN CHARACTERIZATION SAMPLING FREQUENCY: OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	None	
		TOXICITY TESTING REQUIRED:	Yes	
		TOXICITY TESTING FREQUENCY: TOXICITY TESTING MINIMUM INTERVAL:	Semi-annually 180 days	
		QUALITY CONTROL MONITORING REQUIRED:	No	
		FREQUENCY OF SAMPLING:	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
9	Total metals (continued)	Thallium	X	
		Vanadium	X	
		Zinc	X	
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)	X	
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead	X	
		Tri-alkyl lead	X	
14	Phenolics (4AAP)	Phenolics (4AAP)	X	
25	Solvent Extractables	Oil and grease	X	
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)		X

SCHEDULE C: CANADA ALLOY CASTINGS LTD. - KITCHENER

		NAME OF EFFLUENT STREAM:	Storm Sewer	
		EFFLUENT STREAM TYPE:	Cooling Water	
		CHARACTERIZATION SAMPLING REQUIRED:	No	
		CHARACTERIZATION SAMPLING FREQUENCY:	None	
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		
		ATG 24 SAMPLING REQUIRED:	No	
		ATG 24 SAMPLING FREQUENCY:	None	
		ATG 24 SAMPLING MINIMUM INTERVAL:		
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	No	
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	None	
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:		
		TOXICITY TESTING REQUIRED:	Yes	
		TOXICITY TESTING FREQUENCY:	Semi-annually	
		TOXICITY TESTING MINIMUM INTERVAL:	180 days	
		QUALITY CONTROL MONITORING REQUIRED:	No	
		FREQUENCY OF SAMPLING:	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED		
MC1	Metals	Iron	X	
		Magnesium	X	
MC2	Fluoride	Fluoride	X	

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

SCHEDULE D: CANADA PIPE COMPANY LTD. - HAMILTON

		NAME OF EFFLUENT STREAM:	Cupola Scrubber Sump Pit		
		EFFLUENT STREAM TYPE:	Combined		
		CHARACTERIZATION SAMPLING REQUIRED:	Yes		
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly		
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days		
		ATG 24 SAMPLING REQUIRED:	No		
		ATG 24 SAMPLING FREQUENCY:	None		
		ATG 24 SAMPLING MINIMUM INTERVAL:			
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes		
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly		
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days		
		TOXICITY TESTING REQUIRED:	Yes		
		TOXICITY TESTING FREQUENCY:	Quarterly		
		TOXICITY TESTING MINIMUM INTERVAL:	60 days		
		QUALITY CONTROL MONITORING REQUIRED:	Yes		
		FREQUENCY OF SAMPLING:	W	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
3	Hydrogen ion (pH)	Hydrogen ion (pH)	X		
5a	Organic carbon	Dissolved organic carbon (DOC)		X	
5b		Total organic carbon (TOC)			
8	Suspended solids	Total suspended solids (TSS)	X		
		Volatile suspended solids (VSS)			
9	Total metals	Aluminum		X	
		Beryllium		X	
		Cadmium		X	
		Chromium		X	
		Cobalt		X	
		Copper		X	
		Lead		X	
		Molybdenum		X	
		Nickel		X	

SCHEDULE D: CANADA PIPE COMPANY LTD. - HAMILTON

NAME OF EFFLUENT STREAM:	Cupola Scrubber Sump Pit
EFFLUENT STREAM TYPE:	Combined
CHARACTERIZATION SAMPLING REQUIRED:	Yes
CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days
ATG 24 SAMPLING REQUIRED:	No
ATG 24 SAMPLING FREQUENCY:	None
ATG 24 SAMPLING MINIMUM INTERVAL:	
OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes
OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days
TOXICITY TESTING REQUIRED:	Yes
TOXICITY TESTING FREQUENCY:	Quarterly
TOXICITY TESTING MINIMUM INTERVAL:	60 days
QUALITY CONTROL MONITORING REQUIRED:	Yes

		FREQUENCY OF SAMPLING:	W	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
9	Total metals (continued)	Silver		X	
		Thallium		X	
		Vanadium		X	
		Zinc		X	
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)		X	
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead		X	
		Tri-alkyl lead		X	
14	Phenolics (4AAP)	Phenolics (4AAP)	X		
25	Solvent Extractables	Oil and grease	X		
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)			X

SCHEDULE D: CANADA PIPE COMPANY LTD. - HAMILTON

NAME OF EFFLUENT STREAM:			Cupola Scrubber Sump Pit		
EFFLUENT STREAM TYPE:			Combined		
CHARACTERIZATION SAMPLING REQUIRED:			Yes		
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly		
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days		
ATG 24 SAMPLING REQUIRED:			No		
ATG 24 SAMPLING FREQUENCY:			None		
ATG 24 SAMPLING MINIMUM INTERVAL:					
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes		
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly		
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days		
TOXICITY TESTING REQUIRED:			Yes		
TOXICITY TESTING FREQUENCY:			Quarterly		
TOXICITY TESTING MINIMUM INTERVAL:			60 days		
QUALITY CONTROL MONITORING REQUIRED:			Yes		
FREQUENCY OF SAMPLING:			W	M	Q
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED			
MC1	Metals	Iron		X	
		Magnesium		X	
MC2	Fluoride	Fluoride		X	

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined				Foundry Combined
		EFFLUENT STREAM TYPE:	Process				Combined				Emerg. Overflow
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				
		ATG 24 SAMPLING REQUIRED:	Yes				Yes				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				Semi-annually				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				180 days				
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				
		TOXICITY TESTING REQUIRED:	No				Yes				No
		TOXICITY TESTING FREQUENCY:	None				Monthly				None
		TOXICITY TESTING MINIMUM INTERVAL:					15 days				
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
1	Chemical Oxygen Demand	Chemical oxygen demand (COD)		X				X			X
2	Total cyanide	Total cyanide				X				X	
3	Hydrogen ion (pH)	Hydrogen ion (pH)	X				X				X
4a	Nitrogen	Ammonia plus Ammonium				X				X	
		Total Kjeldahl nitrogen									
4b	Nitrogen	Nitrate + Nitrite				X				X	
5a	Organic carbon	Dissolved organic carbon (DOC)			X				X		
5b	Organic carbon	Total organic carbon (TOC)									X
6	Total phosphorus	Total phosphorus			X				X		
7	Specific conductance	Specific conductance	X				X				

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

NAME OF EFFLUENT STREAM:			Foundry Process				Foundry Combined				Foundry Combined
EFFLUENT STREAM TYPE:			Process				Combined				Emerg. Overflow
CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes				No
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly				None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days				
ATG 24 SAMPLING REQUIRED:			Yes				Yes				No
ATG 24 SAMPLING FREQUENCY:			Semi-annually				Semi-annually				None
ATG 24 SAMPLING MINIMUM INTERVAL:			180 days				180 days				
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes				No
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly				None
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days				
TOXICITY TESTING REQUIRED:			No				Yes				No
TOXICITY TESTING FREQUENCY:			None				Monthly				None
TOXICITY TESTING MINIMUM INTERVAL:							15 days				
QUALITY CONTROL MONITORING REQUIRED:			Yes				No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
8	Suspended solids	Total suspended solids (TSS)	X				X				X
		Volatile suspended solids (VSS)									
9	Total metals	Aluminum		X				X			
		Beryllium		X				X			
		Cadmium		X				X			
		Chromium		X				X			
		Cobalt		X				X			
		Copper		X				X			
		Lead		X				X			
		Molybdenum		X				X			
		Nickel		X				X			
		Silver		X				X			
		Thallium		X				X			
		Vanadium		X				X			
		Zinc		X				X			
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)		X				X			

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined				Foundry Combined
		EFFLUENT STREAM TYPE:	Process				Combined				Emerg. Overflow
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				
		ATG 24 SAMPLING REQUIRED:	Yes				Yes				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				Semi-annually				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				180 days				
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				
		TOXICITY TESTING REQUIRED:	No				Yes				No
		TOXICITY TESTING FREQUENCY:	None				Monthly				None
		TOXICITY TESTING MINIMUM INTERVAL:					15 days				
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
12	Mercury	Mercury				X				X	
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead				X				X	X
		Tri-alkyl lead				X				X	X
14	Phenolics (4AAP)	Phenolics (4AAP)	X				X				X
15	Sulphide	Sulphide				X				X	
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				X				X	
		1,1,2-Trichloroethane				X				X	
		1,1-Dichloroethane				X				X	
		1,1-Dichloroethylene				X				X	
		1,2-Dichlorobenzene				X				X	
		1,2-Dichloroethane (Ethylene dichloride)				X				X	
		1,2-Dichloropropane				X				X	
		1,3-Dichlorobenzene				X				X	
		1,4-Dichlorobenzene				X				X	
		Bromoform				X				X	

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

NAME OF EFFLUENT STREAM:			Foundry Process				Foundry Combined				Foundry Combined
EFFLUENT STREAM TYPE:			Process				Combined				Emerg. Overflow
CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes				No
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly				None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days				
ATG 24 SAMPLING REQUIRED:			Yes				Yes				No
ATG 24 SAMPLING FREQUENCY:			Semi-annually				Semi-annually				None
ATG 24 SAMPLING MINIMUM INTERVAL:			180 days				180 days				
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes				No
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly				None
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days				
TOXICITY TESTING REQUIRED:			No				Yes				No
TOXICITY TESTING FREQUENCY:			None				Monthly				None
TOXICITY TESTING MINIMUM INTERVAL:							15 days				
QUALITY CONTROL MONITORING REQUIRED:			Yes				No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
16	Volatiles, Halogenated (continued)	Bromomethane				X				X	
		Carbon tetrachloride				X				X	
		Chlorobenzene				X				X	
		Chloroform				X				X	
		Chloromethane				X				X	
		Cis-1,3-Dichloropropylene				X				X	
		Dibromochloromethane				X				X	
		Ethylene dibromide				X				X	
		Methylene chloride				X				X	
		Tetrachloroethylene (Perchloroethylene)				X				X	
		Trans-1,2-Dichloroethylene				X				X	
		Trans-1,3-Dichloropropylene				X				X	
		Trichloroethylene				X				X	
		Trichlorofluoromethane				X				X	
		Vinyl chloride (Chloroethylene)				X				X	

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined				Foundry Combined
		EFFLUENT STREAM TYPE:	Process				Combined				Emerg. Overflow
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				
		ATG 24 SAMPLING REQUIRED:	Yes				Yes				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				Semi-annually				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				180 days				
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				
		TOXICITY TESTING REQUIRED:	No				Yes				No
		TOXICITY TESTING FREQUENCY:	None				Monthly				None
		TOXICITY TESTING MINIMUM INTERVAL:					15 days				
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
17	Volatiles, Non-Halogenated	Benzene				X				X	
		Styrene				X				X	
		Toluene				X				X	
		o-Xylene				X				X	
		m-Xylene and p-Xylene				X				X	
18	Volatiles, Water Soluble	Acrolein				X				X	
		Acrylonitrile				X				X	
19	Extractables, Base Neutral	Acenaphthene				X				X	
		5-nitro Acenaphthene				X				X	
		Acenaphthylene				X				X	
		Anthracene				X				X	
		Benz(a)anthracene				X				X	
		Benzo(a)pyrene				X				X	
		Benzo(b)fluoranthene				X				X	
		Benzo(g,h,i)perylene				X				X	
		Benzo(k)fluoranthene				X				X	
		Biphenyl (NOTE 3)				X				X	

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined				Foundry Combined
		EFFLUENT STREAM TYPE:	Process				Combined				Emerg. Overflow
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				
		ATG 24 SAMPLING REQUIRED:	Yes				Yes				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				Semi-annually				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				180 days				
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				
		TOXICITY TESTING REQUIRED:	No				Yes				No
		TOXICITY TESTING FREQUENCY:	None				Monthly				None
		TOXICITY TESTING MINIMUM INTERVAL:					15 days				
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
19	Extractables, Base Neutral (continued)	Camphene				X				X	
		1-Chloronaphthalene				X				X	
		2-Chloronaphthalene				X				X	
		Chrysene				X				X	
		Dibenz(a,h)anthracene				X				X	
		Fluoranthene				X				X	
		Fluorene				X				X	
		Indeno(1,2,3-cd)pyrene				X				X	
		Indole				X				X	
		1-Methylnaphthalene				X				X	
		2-Methylnaphthalene				X				X	
		Naphthalene			X					X	X
		Perylene				X				X	
		Phenanthrene			X					X	X
		Pyrene				X				X	
		Benzylbutylphthalate				X				X	
		Bis(2-Ethylhexyl)phthalate				X				X	
		Di-n-butylphthalate				X				X	
		4-Bromophenyl phenyl ether				X				X	

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined				Foundry Combined
		EFFLUENT STREAM TYPE:	Process				Combined				Emerg. Overflow
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				
		ATG 24 SAMPLING REQUIRED:	Yes				Yes				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				Semi-annually				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days				180 days				
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				Quarterly				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days				60 days				
		TOXICITY TESTING REQUIRED:	No				Yes				No
		TOXICITY TESTING FREQUENCY:	None				Monthly				None
		TOXICITY TESTING MINIMUM INTERVAL:					15 days				
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
19	Extractables, Base Neutral (continued)	4-Chlorophenyl phenyl ether				X				X	
		Bis(2-Chloroisopropyl)ether				X				X	
		Bis(2-Chloroethyl)ether				X				X	
		Diphenyl ether (NOTE 4)				X				X	
		2,4-Dinitrotoluene				X				X	
		2,6-Dinitrotoluene				X				X	
		Bis(2-Chloroethoxy)methane				X				X	
		Diphenylamine				X				X	
		N-Nitrosodiphenylamine				X				X	
		N-Nitrosodi-n-propylamine				X				X	
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol				X				X	
		2,3,4,6-Tetrachlorophenol				X				X	
		2,3,5,6-Tetrachlorophenol				X				X	
		2,3,4-Trichlorophenol				X				X	
		2,3,5-Trichlorophenol				X				X	
		2,4,5-Trichlorophenol				X				X	
		2,4,6-Trichlorophenol				X				X	
		2,4-Dimethylphenol				X				X	

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

		NAME OF EFFLUENT STREAM:	Foundry Process				Foundry Combined				Foundry Combined
		EFFLUENT STREAM TYPE:	Process				Combined				Emerg. Overflow
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No
		CHARACTERIZATION SAMPLING FREQUENCY: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days				None
		ATG 24 SAMPLING REQUIRED:	Yes				Yes				No
		ATG 24 SAMPLING FREQUENCY: ATG 24 SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				Semi-annually 180 days				None
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				Yes				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY: OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				Quarterly 60 days				None
		TOXICITY TESTING REQUIRED:	No				Yes				No
		TOXICITY TESTING FREQUENCY: TOXICITY TESTING MINIMUM INTERVAL:	None				Monthly 15 days				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
20	Extractables, Acid (Phenolics) (continued)	2,4-Dinitrophenol				X				X	
		2,4-Dichlorophenol				X				X	
		2,6-Dichlorophenol				X				X	
		4,6-Dinitro-o-cresol				X				X	
		2-Chlorophenol				X				X	
		4-Chloro-3-methylphenol				X				X	
		4-Nitrophenol				X				X	
		m-Cresol				X				X	
		o-Cresol				X				X	
		p-Cresol				X				X	
		Pentachlorophenol				X				X	
		Phenol				X				X	
25	Solvent Extractables	Oil and grease		X				X			X
26	Fatty and Resin Acids					X				X	
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)				X				X	X

SCHEDULE G: FORD MOTOR COMPANY OF CANADA LTD. - WINDSOR

NAME OF EFFLUENT STREAM:			Foundry Process				Foundry Combined				Foundry Combined
EFFLUENT STREAM TYPE:			Process				Combined				Emerg. Overflow
CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes				No
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly				None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days				
ATG 24 SAMPLING REQUIRED:			Yes				Yes				No
ATG 24 SAMPLING FREQUENCY:			Semi-annually				Semi-annually				None
ATG 24 SAMPLING MINIMUM INTERVAL:			180 days				180 days				
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes				Yes				No
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				Quarterly				None
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days				60 days				
TOXICITY TESTING REQUIRED:			No				Yes				No
TOXICITY TESTING FREQUENCY:			None				Monthly				None
TOXICITY TESTING MINIMUM INTERVAL:							15 days				
QUALITY CONTROL MONITORING REQUIRED:			Yes				No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	M	Event Oriented
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
MC1	Metals	Iron		X				X			X
		Magnesium		X				X			X
MC2	Fluoride	Fluoride		X				X			X

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

NOTE 3: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Detection Limit of 0.6 micrograms per litre.

NOTE 4: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Detection Limit of 0.4 micrograms per litre.

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

NAME OF EFFLUENT STREAM:			East Process Sewer				STP Effluent				West Process Sewer
EFFLUENT STREAM TYPE:			Process				Combined				Storm
CHARACTERIZATION SAMPLING REQUIRED:			Yes				No				No
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				None				None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days								
ATG 24 SAMPLING REQUIRED:			Yes				No				No
ATG 24 SAMPLING FREQUENCY:			Semi-annually				None				None
ATG 24 SAMPLING MINIMUM INTERVAL:			180 days								
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes				No				No
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				None				None
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days								
TOXICITY TESTING REQUIRED:			Yes				No				No
TOXICITY TESTING FREQUENCY:			Monthly				None				None
TOXICITY TESTING MINIMUM INTERVAL:			15 days								
QUALITY CONTROL MONITORING REQUIRED:			Yes				No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	Q	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
1	Chemical Oxygen Demand	Chemical oxygen demand (COD)		X				X			X
2	Total cyanide	Total cyanide				X					X
3	Hydrogen Ion (pH)	Hydrogen Ion (pH)	X				X				
4a	Nitrogen	Ammonia plus Ammonium		X				X			X
		Total Kjeldahl nitrogen									
4b	Nitrogen	Nitrate + Nitrite			X						X
5a	Organic carbon	Dissolved organic carbon (DOC)			X				X		X
5b	Organic carbon	Total organic carbon (TOC)									
6	Total phosphorus	Total phosphorus			X				X		X
7	Specific conductance	Specific conductance	X								

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

		NAME OF EFFLUENT STREAM:	East Process Sewer				STP Effluent				West Process Sewer
		EFFLUENT STREAM TYPE:	Process				Combined				Storm
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				No				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days								
		ATG 24 SAMPLING REQUIRED:	Yes				No				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				None				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days								
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days								
		TOXICITY TESTING REQUIRED:	Yes				No				No
		TOXICITY TESTING FREQUENCY:	Monthly				None				None
		TOXICITY TESTING MINIMUM INTERVAL:	15 days								
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	Q	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**									
8	Suspended solids	Total suspended solids (TSS)	X				X				X
		Volatile suspended solids (VSS)									
9	Total metals	Aluminum		X							X
		Beryllium		X							X
		Cadmium		X							X
		Chromium		X							X
		Cobalt		X							X
		Copper		X							X
		Lead		X							X
		Molybdenum		X							X
		Nickel		X							X
		Silver		X							X
		Thallium		X							X
		Vanadium		X							X
		Zinc		X							X
11	Chromium (Hexavalent) (NOTE 1)	Chromium (Hexavalent)		X							X

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SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

NAME OF EFFLUENT STREAM:			East Process Sewer				STP Effluent				West Process Sewer
EFFLUENT STREAM TYPE:			Process				Combined				Storm
CHARACTERIZATION SAMPLING REQUIRED:			Yes				No				No
CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				None				None
CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days								
ATG 24 SAMPLING REQUIRED:			Yes				No				No
ATG 24 SAMPLING FREQUENCY:			Semi-annually				None				None
ATG 24 SAMPLING MINIMUM INTERVAL:			180 days								
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes				No				No
OPEN CHARACTERIZATION SAMPLING FREQUENCY:			Quarterly				None				None
OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			60 days								
TOXICITY TESTING REQUIRED:			Yes				No				No
TOXICITY TESTING FREQUENCY:			Monthly				None				None
TOXICITY TESTING MINIMUM INTERVAL:			15 days								
QUALITY CONTROL MONITORING REQUIRED:			Yes				No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	Q	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
12	Mercury	Mercury				X					
13	Total alkyl lead (NOTE 2)	Tetra-alkyl lead				X					X
		Tri-alkyl lead				X					X
14	Phenolics (4AAP)	Phenolics (4AAP)	X								X
15	Sulphide	Sulphide				X					X
16	Volatiles, Halogenated	1,1,2,2-Tetrachloroethane				X				X	
		1,1,2-Trichloroethane				X				X	
		1,1-Dichloroethane				X				X	
		1,1-Dichloroethylene				X				X	
		1,2-Dichlorobenzene				X				X	
		1,2-Dichloroethane (Ethylene dichloride)				X				X	
		1,2-Dichloropropane				X				X	
		1,3-Dichlorobenzene				X				X	
		1,4-Dichlorobenzene				X				X	
		Bromoform				X				X	

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

		NAME OF EFFLUENT STREAM:	East Process Sewer				STP Effluent				West Process Sewer
		EFFLUENT STREAM TYPE:	Process				Combined				Storm
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				No				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days								
		ATG 24 SAMPLING REQUIRED:	Yes				No				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				None				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days								
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days								
		TOXICITY TESTING REQUIRED:	Yes				No				No
		TOXICITY TESTING FREQUENCY:	Monthly				None				None
		TOXICITY TESTING MINIMUM INTERVAL:	15 days								
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	Q	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
16	Volatiles, Halogenated (continued)	Bromomethane				X				X	
		Carbon tetrachloride				X				X	
		Chlorobenzene				X				X	
		Chloroform				X				X	
		Chloromethane				X				X	
		Cis-1,3-Dichloropropylene				X				X	
		Dibromochloromethane				X				X	
		Ethylene dibromide				X				X	
		Methylene chloride				X				X	
		Tetrachloroethylene (Perchloroethylene)				X				X	
		Trans-1,2-Dichloroethylene				X				X	
		Trans-1,3-Dichloropropylene				X				X	
		Trichloroethylene				X				X	
		Trichlorofluoromethane				X				X	
		Vinyl chloride (Chloroethylene)				X				X	

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

NAME OF EFFLUENT STREAM:			East Process Sewer				STP Effluent				West Process Sewer
EFFLUENT STREAM TYPE:			Process				Combined				Storm
CHARACTERIZATION SAMPLING REQUIRED:			Yes				No				No
CHARACTERIZATION SAMPLING FREQUENCY: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Quarterly 60 days				None				None
ATG 24 SAMPLING REQUIRED:			Yes				No				No
ATG 24 SAMPLING FREQUENCY: ATG 24 SAMPLING MINIMUM INTERVAL:			Semi-annually 180 days				None				None
OPEN CHARACTERIZATION SAMPLING REQUIRED:			Yes				No				No
OPEN CHARACTERIZATION SAMPLING FREQUENCY: OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:			Quarterly 60 days				None				None
TOXICITY TESTING REQUIRED:			Yes				No				No
TOXICITY TESTING FREQUENCY: TOXICITY TESTING MINIMUM INTERVAL:			Monthly 15 days				None				None
QUALITY CONTROL MONITORING REQUIRED:			Yes				No				No
FREQUENCY OF SAMPLING:			D	TW	W	M	D	TW	W	Q	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
17	Volatiles, Non-Halogenated	Benzene				X				X	
		Styrene				X				X	
		Toluene				X				X	
		o-Xylene				X				X	
		m-Xylene and p-Xylene				X				X	
18	Volatiles, Water Soluble	Acrolein								X	
		Acrylonitrile								X	
19	Extractables, Base Neutral	Acenaphthene				X				X	
		5-nitro Acenaphthene				X				X	
		Acenaphthylene				X				X	
		Anthracene				X				X	
		Benz(a)anthracene				X				X	
		Benzo(a)pyrene				X				X	
		Benzo(b)fluoranthene				X				X	
		Benzo(g,h,i)perylene				X				X	
		Benzo(k)fluoranthene				X				X	
		Biphenyl (NOTE 3)				X				X	

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

		NAME OF EFFLUENT STREAM:	East Process Sewer				STP Effluent				West Process Sewer
		EFFLUENT STREAM TYPE:	Process				Combined				Storm
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				No				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days								
		ATG 24 SAMPLING REQUIRED:	Yes				No				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				None				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days								
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days								
		TOXICITY TESTING REQUIRED:	Yes				No				No
		TOXICITY TESTING FREQUENCY:	Monthly				None				None
		TOXICITY TESTING MINIMUM INTERVAL:	15 days								
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	Q	M
ANALYTICAL TEST GROUP		**PARAMETERS TO BE ANALYZED**									
19	Extractables, Base Neutral (continued)	Camphene				X				X	
		1-Chloronaphthalene				X				X	
		2-Chloronaphthalene				X				X	
		Chrysene				X				X	
		Dibenz(a,h)anthracene				X				X	
		Fluoranthene				X				X	
		Fluorene				X				X	
		Indeno(1,2,3-cd)pyrene				X				X	
		Indole				X				X	
		1-Methylnaphthalene				X				X	
		2-Methylnaphthalene				X				X	
		Naphthalene				X				X	
		Perylene				X				X	
		Phenanthrene				X				X	
		Pyrene				X				X	
		Benzylbutylphthalate				X				X	
		Bis(2-Ethylhexyl)phthalate				X				X	
		Di-n-butylphthalate				X				X	
		4-Bromophenyl phenyl ether				X				X	

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

		NAME OF EFFLUENT STREAM:	East Process Sewer				STP Effluent				West Process Sewer
		EFFLUENT STREAM TYPE:	Process				Combined				Storm
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				No				No
		CHARACTERIZATION SAMPLING FREQUENCY: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None				None
		ATG 24 SAMPLING REQUIRED:	Yes				No				No
		ATG 24 SAMPLING FREQUENCY: ATG 24 SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None				None
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY: OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None				None
		TOXICITY TESTING REQUIRED:	Yes				No				No
		TOXICITY TESTING FREQUENCY: TOXICITY TESTING MINIMUM INTERVAL:	Monthly 15 days				None				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	Q	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
19	Extractables, Base Neutral (continued)	4-Chlorophenyl phenyl ether				X				X	
		Bis(2-Chloroisopropyl)ether				X				X	
		Bis(2-Chloroethyl)ether				X				X	
		Diphenyl ether (NOTE 4)				X				X	
		2,4-Dinitrotoluene				X				X	
		2,6-Dinitrotoluene				X				X	
		Bis(2-Chloroethoxy)methane				X				X	
		Diphenylamine				X				X	
		N-Nitrosodiphenylamine				X				X	
		N-Nitrosodi-n-propylamine				X				X	
20	Extractables, Acid (Phenolics)	2,3,4,5-Tetrachlorophenol				X				X	
		2,3,4,6-Tetrachlorophenol				X				X	
		2,3,5,6-Tetrachlorophenol				X				X	
		2,3,4-Trichlorophenol				X				X	
		2,3,5-Trichlorophenol				X				X	
		2,4,5-Trichlorophenol				X				X	
		2,4,6-Trichlorophenol				X				X	
		2,4-Dimethylphenol				X				X	

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

		NAME OF EFFLUENT STREAM:	East Process Sewer				STP Effluent				West Process Sewer
		EFFLUENT STREAM TYPE:	Process				Combined				Storm
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				No				No
		CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None				None
		CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days								
		ATG 24 SAMPLING REQUIRED:	Yes				No				No
		ATG 24 SAMPLING FREQUENCY:	Semi-annually				None				None
		ATG 24 SAMPLING MINIMUM INTERVAL:	180 days								
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY:	Quarterly				None				None
		OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	60 days								
		TOXICITY TESTING REQUIRED:	Yes				No				No
		TOXICITY TESTING FREQUENCY:	Monthly				None				None
		TOXICITY TESTING MINIMUM INTERVAL:	15 days								
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	Q	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
20	Extractables, Acid (Phenolics) (continued)	2,4-Dinitrophenol				X				X	
		2,4-Dichlorophenol				X				X	
		2,6-Dichlorophenol				X				X	
		4,6-Dinitro-o-cresol				X				X	
		2-Chlorophenol				X				X	
		4-Chloro-3-methylphenol				X				X	
		4-Nitrophenol				X				X	
		m-Cresol				X				X	
		o-Cresol				X				X	
		p-Cresol				X				X	
		Pentachlorophenol				X				X	
		Phenol				X				X	
25	Solvent Extractables	Oil and grease		X				X			X
26	Fatty and Resin Acids					X					
27	Polychlorinated Biphenyls (PCBs) (Total)	PCBs (Total)				X					

SCHEDULE J: HALEY INDUSTRIES LTD. - HALEY

		NAME OF EFFLUENT STREAM:	East Process Sewer				STP Effluent				West Process Sewer
		EFFLUENT STREAM TYPE:	Process				Combined				Storm
		CHARACTERIZATION SAMPLING REQUIRED:	Yes				No				No
		CHARACTERIZATION SAMPLING FREQUENCY: CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None				None
		ATG 24 SAMPLING REQUIRED:	Yes				No				No
		ATG 24 SAMPLING FREQUENCY: ATG 24 SAMPLING MINIMUM INTERVAL:	Semi-annually 180 days				None				None
		OPEN CHARACTERIZATION SAMPLING REQUIRED:	Yes				No				No
		OPEN CHARACTERIZATION SAMPLING FREQUENCY: OPEN CHARACTERIZATION SAMPLING MINIMUM INTERVAL:	Quarterly 60 days				None				None
		TOXICITY TESTING REQUIRED:	Yes				No				No
		TOXICITY TESTING FREQUENCY: TOXICITY TESTING MINIMUM INTERVAL:	Monthly 15 days				None				None
		QUALITY CONTROL MONITORING REQUIRED:	Yes				No				No
		FREQUENCY OF SAMPLING:	D	TW	W	M	D	TW	W	Q	M
ANALYTICAL TEST GROUP		PARAMETERS TO BE ANALYZED									
MC1	Metals	Iron		X							X
		Magnesium		X							X
MC2	Fluoride	Fluoride		X							X

NOTE 1: Analyze for hexavalent chromium only if the total chromium concentration is greater than 1 milligram per litre.

NOTE 2: Analyze for alkyl leads only if the total lead concentration is greater than 1 milligram per litre.

NOTE 3: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Detection Limit of 0.6 micrograms per litre.

NOTE 4: Follow the Sampling & Analytical Principles outlined for Analytical Test Group 19 in Schedule 2 and in Part B of Schedule 3 in the General Effluent Monitoring Regulation with an Analytical Detection Limit of 0.4 micrograms per litre.

ACCO USA
LINCOLNSHIRE, ILLINOIS 60069
#25072
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LT. BLUE/BLEU/AZUL CLARO